

Commercial FEEDING STUFFS

1963 Report on Inspection

H. J. FISHER

Chief Chemist

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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

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THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

¹ Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Charles Hahn and Miss Helen Kocab; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Lois Hornig; and sampling by Mr. R. Richard Nichols. Compilations by Mrs. Arnold Malmberg and Mrs. Marshall S. B. Brown.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (SEC. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registration is (1) name of product; (2) Vitamin D potency in terms of A.O.A.C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A.O.A.C. chick unit is the Vitamin D activity produced by one U. S. Pharmacopoeia unit of Vitamin D from the U. S. P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes,

the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION (Sec. 22-114)

All concentrated commercial feeding stuffs, including Vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers, or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registration, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS (Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or conditional properties nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e.g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1963 to December 31, 1963, 178 firms registered 1,111 brands of feeding stuffs, and 21 firms registered 45 brands of vitamin carriers.

ACME-EVANS CO., INC., 902 W. Washington Ave., Indianapolis, Ind.

Acme Hominy Feed

Acme Wheat Bran

Acme Wheat Middlings with Ground Wheat Screenings

ALBERS MILLING CO., (A Division of Carnation Co.), 5045 Wilshire Blvd., Los Angeles 36, Cal.

Albers Calf Manna

Albers Rabbit Breeder Paks

Albers Sho-Glo

Albers Spur

Albers Suckle

AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver 1, Colo.

Dried Beet Pulp with Beet Molasses

Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P. O. Box 400, Princeton, N. J.

(See also Vitamin Carriers)

Arzene Arsenosobenzene Premix 4%

Cypip Diethylcarbamazine

Cyrea Urea Feed Compound

Cyzine 10% (2-acetylamine-5-nitrothiazole)

Enheptin A Premix 15%

Megasul 25% Nitrophenide

Nitrophenide 20

AMERICAN FEED CO., West 177th Street & Harlem River,
New York 53, N. Y.

AFCO Brand Dried Bakery Product

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave.,
New York 17, N. Y.

Amaizo Gluten Meal

Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis 18, Mo.

Brewers' Dried Grains

Brewers' Dried Grains with 2% Spent Hops

ARCHER-DANIELS-MIDLAND CO., P. O. Box 532,
Minneapolis 40, Minn.

ADM Linseed Meal 32% Protein Solvent Extracted

Archer Quality 44% Protein Solvent Extracted Soybean Meal

Archer Quality 50% Protein Dehulled Solvent Extracted

Soybean Meal

ARCHER-DANIELS-MIDLAND CO. -Cont.

Small's 17% Dehydrated Alfalfa Meal with Ethoxyquin
Small's 20% Dehydrated Alfalfa Meal with Ethoxyquin

ARMOUR & COMPANY, Union Stock Yards, So. St. Paul, Minn.

Armour Mink Food Mix
Top-Pelt Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Arch & Church St., Albany 1, N. Y.

Fort Orange All Mash Layer
Fort Orange Calf Grower and Booster
Fort Orange Golden Test Ration
Fort Orange Milk Replacer

BAY STATE MILLING COMPANY, Leavenworth, Kan.

Registered by Albers Milling Co., Los Angeles 36, Cal.
"Bay State" Wheat Shorts with Ground Wheat Screenings

BEACON FEEDS, Beacon Division of Textron, Inc., Cayuga, N. Y.

Beacon Balancer Pellets
Beacon Breeder All-Mash A Medicated
Beacon Brisk
Beacon Broiler Finisher APP Medicated
Beacon Calf Grow
Beacon Chinchilla Pellets
Beacon "15" Coarse Test Cow Ration
Beacon Complete Rabbit Pellets
Beacon Complete Starter AP Medicated
Beacon Dairy Fitting
Beacon 0.0035% Dienestrol Diacetate Mix in Poultry
Finisher LL
Beacon 0.007% Dienestrol Diacetate Mix in Beacon
Poultry Finisher (Pellets)
Beacon Duck Breeder
Beacon Duck Grower Finisher
Beacon Duck Starter
Beacon "22" Egg Mash
Beacon Egg Mate A Medicated
Beacon Goat Ration
Beacon Grower All Mash
Beacon "18" Growing Mash
Beacon Hi-Energy Hog Finisher Pellets Medicated
Beacon Hi-Energy "16" Test Pel-ets
Beacon Hi-Energy "18" Test Pel-ets
Beacon 0.011% Iodinated Casein* Mix Mixed with Beacon
Duck Grower Finisher
Beacon Lacto-Pels "16"
Beacon LP Poultry Finisher APP Medicated (Pellets)
Beacon Market Egg All-Mash A Medicated
Beacon Medicated Poultry Mix 2 CT
Beacon Milk Check Coarse "16"

BEACON FEEDS, Beacon Division of Textron, Inc. -Cont.

Beacon Milk Check Coarse "18"
Beacon Milky Way "16" Pel-ets
Beacon Milky Way "18" Pel-ets
Beacon "24" Mixer
Beacon "32" Mixer
Beacon Poultry Fitting
Beacon Prof-ets "16"
Beacon Roaster Finisher APP Medicated (Pellets)
Beacon Rumentrol Medicated
Beacon Starter-Broiler APP Medicated
Beacon Tally Ho Horse Feed
Beacon "16" Test Cow Ration
Beacon "18" Test Cow Ration
Beacon Turkey Breeder All-Mash-Pellets
Beacon Turkey Fattener All-Mash-Pellets
Beacon Turkey Finisher All-Mash-Pellets
Beacon Turkey Finisher All-Mash C Medicated-Pellets
Beacon "20" Turkey Grower-Pellets
Beacon "20" Turkey Grower C Medicated
Beacon "22" Turkey and Game Bird Grower
Beacon Turkey Starter AP Medicated
Beacon Worm Mash
Be-Co-Breeder A Medicated
Be-Co Grower
Be-Co Grower AP Medicated
Be-Co-Lass
Be-Co-Nurse Milk Replacer
Bulky Green
Hominy Feed
Pro-pel "16" Dairy
Wheat Middlings

BEACON FEED SERVICE, Uxbridge, Mass.

Beacon Keep Sweet Silage Preservative
SNE Succulent
SNE Sweet "16" Dairy

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco 18% Dairy Ration
Nibco Fitting Ration
Nibco Five Star Breeder
Nibco Five Star Light Breeder
Nibco Five Star Lo Color
Nibco Five Star Roaster-Nicarbazin 0.010%, Dienestrol
Diacetate 0.023%
Nibco Five Star Roaster-Nicarbazin 0.010%, Dienestrol
Diacetate 0.007%
Nibco Five Star Roaster Nicarbazin 0.010%
Nibco Five Star Weight Maker
Nibco Five Star Weight Maker-Medicated-Nicarbazin 0.010%,
3-Nitro 0.005%
Nibco Five Star Weight Maker-Medicated-Nicarbazin 0.010%,
3-Nitro 0.005%, Dienestrol Diacetate 0.0023%

THE BERKMAN GRAIN CO. -Cont.

Nibco Five Star Super Starter
Nibco High Energy Layer
Nibco High Energy Laying & Growing Mash
Nibco Medicated Booster Feed
Nibco Pullet Builder
Nibco Pullet Developer
Nibco Pullet Starter
Nibco Special Five Star Lo Color - Nicarbazin 0.010%
Nibco Special Five Star Lo Color - Nicarbazin 0.010%,
Dienestrol Diacetate 0.0023%

BEST FOODS, Division of Corn Products Co., 54 Fulton St.
Buffalo, N. Y.

Oat Mill By-Product

BLATCHFORD CALF MEAL CO., 2 E. Madison St., Waukegan, Ill.
Blatchford's Calf Meal

BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield, Conn.
Bloomfield 16% Dairy Ration
Bloomfield Hominy Mix (Registered by Cooperative G. L. F.,
Exchange, Inc., Mills Div., P. O. Box 973, Buffalo, N. Y.)

BROWN-FORMAN DISTILLERS CORP., Louisville, Ky.

Brown-Forman Distillers Dried Grains
Brown-Forman Distillers Solubles

BUCKEYE CELLULOSE CORP., 301 E. 6th St., Cincinnati, Ohio
Buckeye 41% Protein Solvent Extracted Cottonseed Meal
with added Hydrolyzed Cottonseed Oil

CALVERT MILLING CO., Hoytville, Ohio

17% Dehydrated Alfalfa Meal

CAMDEN GRAIN CO., 1709 Kossuth St., Camden 4, N.J.

Camden Brand Brewers Dried Grains

CANADA LINSEED OIL MILLS, LTD., Montreal, Quebec, Canada
Maple Leaf 34% Protein Expeller Linseed Oil Meal Grits

THE A. B. CAPLE CO., Toledo, Ohio

17% Capex Dehydrated Alfalfa Meal - Reground Pellets

CARGILL, INC., 200 Grain Exchange Bldg., Minneapolis 15,
Minn.

Cargill, Inc. 32% Protein Solvent Extracted Linseed Meal
Cargill, Inc. 44% Protein Solvent Extracted Soybean Meal
Cargill, Inc. 50% Protein Solvent Extracted Dehulled
Soybean Meal

CARLING BREWING COMPANY, INC., 9400 Quincy Ave.,
Cleveland, Ohio

Carling Brewers Dried Grains

CENTRAL ALFALFA, INC., 115 W. 5th St., Lexington, Neb.

The Miracle Mix Dehydrated Alfalfa Meal

CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC.,
Manchester, Conn.

Honest Brand Aureomycin Mix Medicated

Honest Brand Complete Breeder Mash

Honest Brand Complete Ration High Energy Growing Mash

Honest Brand Complete Ration High Energy Growing Mash-Med.

Honest Brand Complete Ration High Energy Growing Mash -
Sulfaquinoxaline Mixture

Honest Brand Complete Ration High Energy Laying Mash

Honest Brand Complete Ration High Energy Laying Mash - Med.

Honest Brand Complete Ration High Energy Laying Mash
Medicated with 0.011 Per Cent Furazolidone

Honest Brand Nu Weigh-Hi Broiler Finisher Mash 18-2-6.5

Honest Brand Nu Weigh-Hi Broiler Finisher Mash 20-6-3

Honest Brand Nu Weigh-Hi Broiler Mash Medicated

Honest Brand Nu Weigh-Hi Starter Mash Medicated

Honest Brand Triple Mix Medicated

CENTRAL SOYA, McMillen Feed Division, Ft. Wayne, Ind.

Central Soybean Mill Run

Forty-Four 44% Solvent Extracted Soybean Meal

Master Mix All Mash Egg Mash 217

Master Mix All Mash Layer 215

Master Mix All Mash Pullet Developer 145

Master Mix All Mash Pullet Grower 135

Master Mix All Mash Pullet Grower 135-04E Medicated

Master Mix All Mash Turkey Breeder Pellets 437

Master Mix 18% All Mash Turkey Grower 421

Master Mix Big "M" Dairy Feed 622

Master Mix Blended Fifty 675

Master Mix Bloom 'N Gain Concentrate 765L

0.0011% Diethylstilbestrol Mix Incorporated in Master Mix
Bloom 'N Gain Concentrate 765L-37A

Master Mix Broiler Finisher 324-16C Medicated

Master Mix Broiler Finisher 324-18C Medicated

Master Mix Broiler Finisher Concentrate 375

Master Mix Broiler Finisher Concentrate 375-18B Medicated

Master Mix Broiler Finisher Concentrate 375C

0.0116% Dienestrol Diacetate Mix Incorporated in Master
Mix Broiler Finisher Concentrate 375C-71P Medicated

Master Mix Broiler Starter 307-18C Medicated

Master Mix Broiler Starter Concentrate 351

Master Mix Broiler Starter Concentrate 351-18A Medicated

Master Mix Broiler Starter Concentrate "A" 353-16F Med.

Master Mix Broiler Starter 308-16C Medicated

Master Mix Broiler Starter 308-18C Medicated

Master Mix Calflac Medicated

Master Mix Calf Mixer 559

Master Mix Calf Starter 531

Master Mix Caponette Finisher 337-16D Medicated

CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Caponette Finisher 337-18D Medicated
Master Mix Cattle Blend Concentrate 764K
0.0011% Diethylstilbestrol Mix Inc. in Master Mix Cattle
Blend Concentrate 764K-37A
Master Mix Chick Concentrate 153
Master Mix Chick Concentrate 153-04G Medicated
Master Mix Chick Starter 103-04A Medicated
Master Mix Chick Starter 180 (103-19D) Medicated
Master Mix Complete Breeder 041
Master Mix Complete Layer 218
Master Mix Complete Rabbit Pellets 961-84E Medicated
Master Mix Complete Turkey Finisher 445 (Pellets)
Master Mix Dairy Blender 652
Master Mix 38% Dairy Concentrate 671
Master Mix 38% Dairy Concentrate 671-03M Medicated
Master Mix Dairy Developer Concentrate 651
Master Mix Eastern Dry 'N Fresh 605
Master Mix Egg Concentrate 263
Master Mix Egglac Pellets 223
Master Mix Egglac Pellets 223-41B
Master Mix Egg Mash 211
Master Mix Farro-Aid 180 829-19D Medicated
Master Mix Gro-Getter Concentrate 767L
0.0011% Diethylstilbestrol Mix Incorporated in Master Mix
Gro-Getter Concentrate 767L-37A
Master Mix H.C. All Mash Breeder 043
Master Mix H.C. Breeder Concentrate 087
Master Mix Hi-Production 16% Dairy 627
Master Mix HQ 16% Dairy 618
Master Mix HQ 20% Dairy Pellets 633
Master Mix HQ Master Blend Concentrate 667
Master Mix 35% Hog Concentrate 873
Master Mix 12% Hog Finisher 821-01A Medicated
Master Mix Hog Finisher Concentrate 889
Master Mix Horse Feed 967
Master Mix Layer Concentrate 265
Master Mix Medicated Baby Pig Creep 801-82A
Master Mix Medicated Baby Pig Creep 801-99A
Master Mix Medicated Bio-5 326-03C
Master Mix Medicated Bio-5 Concentrate 376A-03G
Master Mix Medicated Bio-21 303-03C
Master Mix Medicated Bio-21 Concentrate 350-03N
Master Mix Medicated Biofeed 180 233-20A
Master Mix Medicated Biofeed 200 235-44A
Master Mix Medicated Cattle BIO 50-350 Pellets 718-03K
Master Mix New England 16% Dairy 626
Master Mix Pig and Sow Feed 827-01A
Master Mix Pig-ets 809-82A Medicated
Master Mix Pig-ets 809-99A Medicated
Master Mix Pig Grower Concentrate 859-01B Medicated
Master Mix Pig Wormer 831-31A
Master Mix Poult Concentrate 451
Master Mix Poult Pre-Starter 405-66B Medicated

CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Poult Starter 401-83A Medicated
Master Mix Pullet Concentrate 163
Master Mix Pullet Concentrate 163-04H Medicated
Master Mix Pullet Grower 119-04D Medicated
Master Mix Roaster Finisher 323-16C Medicated
Master Mix Roaster Starter 307-18C Medicated
Master Mix Roaster Starter 307-16C Medicated
Master Mix Sow Concentrate 853
Master Mix Special 16% Dairy 630
Master Mix Sweet Bulk 'N Flakes 648
Master Mix Sweet 16% Dairy 620
Soybran Registered Trademark of FLAKED SOYBEAN HULLS
Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

CHELSEA MILLING COMPANY, North St., Chelsea, Mich.

Chelsea Wheat Middlings

S. J. CHERRY & SONS, LTD., Preston, Ontario, Canada

Wheat Bran

CIBA PHARMACEUTICAL COMPANY, Division of CIBA Corp.,
556 Morris Ave., Summit, N. J.

Serpasil^(R) Reserpine Premix CIBA - Medicated

CITRUS FEED CO., Lakeland, Fla.

CITRUS CREST All Sweet Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

(See also Vitamin Carriers)

Clinton CFS Concentrate No. 1
Clinton 21% Protein Corn Gluten Feed
Clinton 41% Protein Corn Gluten Meal

CONN. BI-PRODUCTS, INC., Hop River Rd., Columbia, Conn.

Hydrolyzed Poultry Feathers
Meat and Bone Meal
Poultry By-Product Meal

CONSOLIDATED RENDERING CO., 178 Atlantic Ave.,
Boston 10, Mass.

Corenco Feeding Bone Meal
Corenco 47% Meat & Bone Scrap
Corenco 48% Meat & Bone Scrap
Corenco 50% Meat & Bone Scrap

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE,
INC., Ithaca, N. Y.

Hominy Feed

CORN PRODUCTS CO., 717 Fifth Ave., New York 22, N. Y.

Buffalo Brand 21% Corn Gluten Feed
Diamond Brand 41% Corn Gluten Meal

CROMPTON GRAIN CO., INC., 8 Bridge St., West Warwick, R. I.

Our Best All Mash Layer

DARI-DRI COMPANY, Div. of Milk Specialties, Dundee, Ill.

(See also Vitamin Carriers)

DARI-DRI Baby Calf Formula

DAWNWOOD FARMS, Amenia, N.Y.

(See also Vitamin Carriers)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

DELAWARE MILLING CO., INC., Deposit, N. Y.

Camp's Super 16% Dairy Ration

Delaware Rabbit Pellets

Delaware Scratch Grains

Eastern Connecticut Grain Associates Growing Mash

Eastern Connecticut Grain Associates Growing Mash Med.

Middlesex All Mash Layer

Warren's C & C Complete Laying Mash

Warren's Dairy Pellets

Warren's 16% Dairy Ration

Warren's Fitting Ration

Warren's Indian 16% Dairy

Warren's 16% Test Ration

Warren's Test 20% Ration

DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower

Litsky's Hi-Energy All Mash Layer

Litsky's Hi-Energy Layer

Litsky's Hi-Energy Starter-Broiler

Litsky's Sweet 16% Dairy Ration

DOMINION MALTING (ONTARIO) LIMITED, 369 Lake Shore Blvd., East, Toronto 2, Ontario, Canada

Brewers Dried Grains

DOW BREWERY LIMITED, 990 Notre Dame St., West, Montreal, Quebec, Canada

Brewer's Dried Grains

E. I. du PONT de NEMOURS & CO., 6054 du Pont Bldg., Wilmington 98, Del.

DU PONT TWO-SIXTY-TWO Feed Compound

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St., West Springfield, Mass.

(See also Vitamin Carriers)

Alfapels (15% Protein Dehydrated Pelleted Alfalfa Meal)

Bre-Bits-Medicated

Broiler Finisher-Medicated

Broiler Starter-Medicated

Calf Starter

Cashmaker-Medicated

EASTERN STATES FARMERS' EXCHANGE, INC. -Cont.

Cashmaker-WM-Medicated
Champion
Class Leader
Fifty-Mix
Fulpail
Gro-Bits-Medicated
Gro-Bits-WM-Medicated
Lay-Bits Medicated
Lay Mix Medicated
Lipamone Roaster 1/2-Medicated
Matchmaker Medicated
Medicated Defender
Medicated Lacto-Life
Medicated Minuteman(Crumbles)
Medicated Minuteman-SQ
Medicated Sentinel (CHL)
Medicated Sentinel (OXY)
Medicated-Turkey Starter F
Milkerpels 14
Milkerpels 16
Milkerpels 16-WA
Milkerpels 20
Milkmore
Milksaver
Pacemaker Medicated
Pel-22 Medicated
Pel-Gro Medicated
Pel-Lay Medicated
Pork Builder
Pork Finisher Mix
Pork Gainer-Medicated
Porkmix
Pork Primer-Medicated (Pellets)
Poultry Wormer
Protek A-Medicated
Protek F-Medicated
Protek F-Medicated (Bits)
Protek H-Medicated
Rabbettes-Medicated
Roaster Finisher-Medicated (Pellets)
Supmix
Sweepstakes
Tastibulk
Trim-Maker
Turkey Breeder
Turkey Finisher
Turkey Finisher-C-Medicated
Turkey Grower
Turkey Grower-C-Medicated
Turkey Starter-Medicated

ECKHART MILLING CO., 1300 W. Carroll Ave., Chicago, Ill.
Ecko Pure Wheat Bran
Wheat Middlings with Ground Wheat Screenings

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y.

Elmore Bulky Base
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chixsaver
Elmore Chixsaver Medicated (IS)
Elmore's Complete Calf Milk Replacer
Elmore Complete Growing Mash
Elmore Complete Growing Ration Medicated (1S)
Elmore Complete Laying Mash
Elmore Complete Market Egg Mash Ration
Elmore Complete Turkey Growing Mash
Elmore Complete Turkey Growing Mash (1H)
Elmore Dry & Freshening Ration
Elmore Duck Grower Pellets
Elmore Egg Mash
Elmore Fitting Ration
Elmore Flaked Pelleted Calf Starter
Elmore Game Bird Breeder Mash
Elmore Game Bird Grower
Elmore Game Bird Grower Medicated (1S)
Elmore Game Bird Starter Medicated (1S)
Elmore Grand Champion Ration
Elmore Hog Ration
Elmore Horse Feed
Elmore Makemgrow Little Pig Ration
Elmore Maximilk Ration
Elmore Medicated Mash
Elmore Medicated Picker-Upper Mash (2A)
Elmore Milk Grains "Sixteen"
Elmore Milk Grains "Twenty"
Elmore Pacemaker Dairy Ration 16%
Elmore Pacemaker Dairy Ration 18%
Elmore Poultry and Turkey Fitting Ration
Elmore Rabbit Ration Pellets
Elmore Special 16% Dairy
Elmore Test Ration 16%
Elmore Test Ration 18%
Elmore Turkey Finisher (Fattener)
Elmore Turkey Growing Mash (1H)
Elmore Turkey Starter Mash (or Crumbles) Medicated
Elmore Turkey Starting Mash (1S) (or Crumbles) Medicated

JOHN W. ESHELMAN & SONS, 244 N. Queen St., Lancaster, Pa.

Dehulled Solvent Extracted Soybean Meal
Egg Maker
Lancaster 16 Dairy Feed
Lancaster 20 Dairy Feed
Lancaster Horse Pellets
Lancaster Scratch Grains
Lancaster Sweet Mix
Pennsy Complete Laying Ration
Pennsy 16 Dairy Feed
Pennsy Laying Mash

JOHN W. ESHELMAN & SONS -Cont.

Red Rose Breeder Supplement
Red Rose Calf Grower
Red Rose Calf Starter
Red Rose Chick Grains
Red Rose Chick Starter Medicated (110-E)
Red Rose Complete Breeder Ration
Red Rose Complete Game Bird Grower
Red Rose Complete Growing Ration
Red Rose Complete Laying Ration
Red Rose Complete Turkey Finisher
Red Rose Complete Turkey Finisher Medicated (313-C)
Red Rose Complete Turkey Grower
Red Rose Complete Turkey Grower Medicated (312-C)
Red Rose 16 Dairy Feed
Red Rose 18 Dairy Feed
Red Rose Duck Grower & Breeder (Pelleted)
Red Rose Equinader
Red Rose Fitting Ration
Red Rose Goat Ration
Red Rose Growing Mash
Red Rose Horse Feed
Red Rose Intermediate Chick Grains
Red Rose Laying Mash
Red Rose Medicated T-C Feed
Red Rose Milk Replacer
Red Rose Pigeon Feed
Red Rose Porkmaker
Red Rose Rabbit Pellets
Red Rose Rabbit Pellets - Medicated (710-A)
Red Rose Rumenator (Dairy Booster)
Red Rose Scratch Grains
Red Rose Starter & Grower
Red Rose 14 Test-Cow Feed
Red Rose Turkey & Poultry Fitting Feed
Red Rose Turkey Starter
Red Rose Wild Bird Feed
Solvent Extracted 41% Cottonseed Meal
S-O-S

EVANS MILLING COMPANY, INC., 1730 W. Michigan St.,
Indianapolis, Ind.

Emco Hominy Feed

FAIR OAKS FARM, 383 Mansfield Ave., Darien, Conn.

16% Dairy Feed
Horse Feed

FARM BUREAU ASSOCIATION, 158 Lexington St., Waltham, Mass.

Farm Bureau Advancer
Farm Bureau Advancer Dairy 16% Pellets
Farm Bureau Bran
Farm Bureau Chick Starter W/Ampronium
Farm Bureau Complete Developer Mash Medicated

FARM BUREAU ASSOCIATION -Cont.

Farm Bureau Complete Layer Breeder Mash Medicated
Farm Bureau Dairy 16%
Farm Bureau Milk Replacer
Farm Bureau Rabbit Pellets
Farm Bureau Rabbit Pellets W/SQ

FARMERS FEED COMPANY, 375 Johnson Ave, Brooklyn, N. Y.

"Bull Brand" Brewers Dried Grains

FEED SERVICE CORPORATION, Berks Siding, Crete, Neb.

MOREA Liquid Feed Pre-Mix M-87.5R6

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

FMS INCORPORATED, Thomasville, Pa.

FMS Incorporated Milk Replacement

FOREMOST DAIRIES, INC., Industrial Div., 1870 El Camino Real, Burlingame, Cal.

Peebles M-N-C

GENERAL FOODS CORP., 1551 East Willow St., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

General Mills Inc. Adrian Wheat Red Dog

General Mills Inc. Wheat Bran with Ground Wheat Screenings

General Mills Wheat middlings with Ground Wheat Screenings

Purity Coarse Ground White Oats

Purity Oat Mill By-Product

Purity Pulverized White Oats

GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.

Globpro Brand 60% Protein Fish Meal

GOLDEN GEM GROWERS, INC., Umatilla, Fla.

Golden Gems Sweet Dried Citrus Pulp

GOLDENROD OIL MEAL SALES CO., 727 Beale St., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal -
Prime Quality

GORTON'S OF GLOUCESTER, INC., 327 Main St., Gloucester, Mass.

Gorton's Redfish Meal (57% Protein)

Gorton's White Fish Meal (60% Protein)

W. R. GRACE & CO., Nitrogen Products Division,
147 Jefferson Ave., Memphis 3, Tenn.

Grace Micro Prilled Urea Feed Compound

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet
Bldg., Minneapolis 2, Minn.

Daily Egg Laying Mash

GREAT STAR FLOUR MILLS LIMITED, St. Marys, Ontario, Can.

Great Star Bran
Great Star Shorts

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal with
Ethoxyquin

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill.

Pioneer Calf Starter
Pioneer 16 Dairy Pellets
Pioneer Dry and Freshening
Pioneer 14 High Energy Dairy
Pioneer Hog Developer Medicated
Pioneer Hog Finisher
Pioneer Horse Feed
Pioneer 14 Milker
Pioneer 16 Milker
Pioneer 16 Milker Pellets
Pioneer Pasturmix 12
Pioneer Pasturmix Bulky Feed
Pioneer Pelleted-Flaked Dairy
Pioneer Rabbit Pellets Medicated
Pioneer Sup-Pel Dairy Supplement Pellets
Pioneer Vig-R-Calf Medicated Milk Replacer
Pioneerway Horse Feed
Red Comb Broiler Finisher
Red Comb Broiler Finisher Medicated (01206)
Red Comb Broiler Starter
Red Comb Broiler Starter Medicated (01106)
Red Comb Chick Starter
Red Comb Chick Starter Medicated
Red Comb Complete Broiler-type Breeder
Red Comb Complete Egg-Type Breeder
Red Comb Complete Grower
Red Comb Complete Grower Medicated
Red Comb Complete Layer 15 Medicated
Red Comb Complete Layer 16 Medicated
Red Comb Egg Mash Medicated
Red Comb Growing Mash Medicated
Red Comb Pullet Developer
Red Comb Roaster Ration
Red Comb Scratch Feed
Red Comb Turkey Finisher 14
Red Comb Turkey Finisher 17
Red Comb Turkey Grower 20
Red Comb Turkey Grower 23
Red Comb Turkey Starter Medicated
Wheat Bran

HAYWARD, INC., Oak Harbor, Ohio

Dehydrated Alfalfa Meal

HI-ACRES CONCENTRATE, INC., P. O. Box 7127, Orlando, Fla.

Hi-Acres All Sweet Dried Citrus Pulp

HOLLY SUGAR CORP., Colorado Springs, Col.

Dried Beet Pulp and Beet Molasses

H. P. HOOD & SONS, INC., Dunedin, Fla.

Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston, Mass.

(See also Vitamin Carriers)

Hood Milk Replacer for Baby Animal

Pep-Lac

Powdered Skim Milk

Whey-Lac

E. C. & W. L. HOPKINS, INC., Greenfield, N.H.

P (Price) & Q (Quality) 16% Dairy Feed

THE HUBINGER COMPANY, Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal

Ke OK uk Brand 21% Protein Corn Gluten Feed

ILLINOIS CEREAL MILLS, INC., Paris, Ill.

Hominy Feed

INDUSTRIAL MOLASSES CORPORATION, 321 Fort Lee Road,
Leonia, N. J.

Dried Beet Pulp

INTERNATIONAL CHEESE COMPANY, INC., Hinesburg, Vt.

Dried Whole Whey

INTERNATIONAL MILLING CO., 1200 Investors Bldg.,
Minneapolis 2, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings

Blackhawk Wheat middlings with Ground Mixed Screenings

INTERNATIONAL STOCK FOOD CORP., 533 Broad St.,
Waverly, N. Y.

(See also Vitamin Carriers)

Rumen Bacteria Mix Incorporated in I.S.F. Grow-Em
Milk Replacer

HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat & Bone Meal

JACCO INDUSTRIES, LTD., 459 No. Boyle, St. Louis 8, Mo.

Boost (Brewers Dried Yeast)

I. S. JOSEPH COMPANY, INC., Minneapolis, Minn.

Dried Beet Pulp

KELLOGG CO. of CANADA, LTD., P. O. Box 2517, London,
Ontario, Canada

Kellogg's Hominy Feed

KELLOGG SALES CO., Battle Creek, Mich.

Kellogg's Kel-Aid

Kellogg's No. 1009 Kel-Blend

Kellogg's No. 1003 Mink Conditioner

Kellogg's No. 1001 Mink Ration

SPENCER KELLOGG & SONS, INC., Division of Textron, Inc.,
120 Delaware Ave., Buffalo, N. Y.

Spencer Kellogg's 31% Protein Old Process (Expeller)
Linseed Meal

KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pa.

Keystone Super Green Dehydrated Alfalfa Meal Preserved
With Ethoxyquin

KRAFT FOODS, (Div. of National Dairy Prod. Corp.) 99 Park
Ave., New York 16, N. Y.

(See also Vitamin Carriers)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef
Cattle, Lambs & Sheep

KAFF-A Milk Replacer for Calves Medicated

KRACO Naturally Sweet Dried Whole Whey

Pace Feed Booster Pellets for Horses, Ponies & Colts

Pex Feed Booster Pellets for Layers & Breeders

PEX Condensed for Poultry

PEX Self Feeder Block for Poultry

PEX Self Feeder Green Whey Block for Chicks & Poult

PEX Self Feeder Whey Block for Chickens & Turkeys

KRAUSE MILLING CO., 404 E. State St., Milwaukee 1, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Fla.

Kuder Dried Citrus Pulp, High Sugar

LAKE STATES YEAST & CHEMICAL DIVISION of St. Regis
Paper Co., Rhinelander, Wis.

Dried Torula Yeast

LAUHOFF GRAIN CO., Soya Department, 321 East North St.,
Danville, Ill.

43% Protein Expeller Soybean Cake

44% Protein Solvent Extracted Soybean Meal

50% Protein Solvent Extracted Soybean Meal

Vermilion Hominy Feed

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon Horse & Calf Ration

MACHNICKI'S GRAIN STORE, Canal St., Jewett City, Conn.

Machnicki Dry & Freshening Ration

Machnicki Hi-Calrie Broiler Starter with Amprolium plus

Machnicki's Hi-Energy All-Mash Grower

Machnicki's Hi-Energy All-Mash Layer

Machnicki Hi-Q 16% Dairy

Machnicki Prime Finisher with Amprolium Plus

Master Made Cal. Broiler Finisher with Amprolium Plus

MAK MOR CORP., P. O. Box 123, Clinton, Mass.

MOREA^(R) M-30 (Liquid Feed Supplement for Ruminants Only)

THE MANITOBA SUGAR CO., LTD., Winnipeg, Manitoba, Canada

Registered by Mowat, Wilson & Co., Detroit 35, Mich.

Plain Dried Beet Pulp

MARION MILLING CO., Marion, Ohio

Cloverleaf Wheat Middlings & Ground Wheat Screenings

MAXON MILLS, INC., Wassaic, N. Y.

Maxon 16% Dairy

Maxon 20% Dairy

Maxon 14% Fitting

Maxon 16% Test

Maxon 18% Test

MAYFLOWER MILLS, 931 Leesburg Rd., Ft. Wayne, Ind.

Mayflower Pure Wheat Bran

Mayflower Wheat Middlings

McCABE GRAIN CO., LTD., 409 Grain Exchange Bldg.,

Winnipeg 2, Manitoba, Canada

Ground Mixed Screenings

THE MENNEL MILLING CO., 128 West Crocker St., Fostoria, Ohio

Memo Pure Wheat Bran

Memo Wheat Middlings with Ground Wheat Screenings

MERCK & CO., INC., Rahway, N. J.

(See also Vitamin Carriers)

AMPROL Plus (R)

Amprol 25% (R)

Glycamide 12%

MILK SPECIALTIES, INC., Water & Illinois St., Dundee, Ill.

(See also Vitamin Carriers)

Dari-Dri Veal Formula

MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.

Choice Steam Cooked Hominy Feed

MINUTE MAID COMPANY, Citrus Products Sales, P. O. Box
2711, Leesburg, Fla.

Golden Isle Brand Citrus Pulp

MOLSON' BREWERY (ONTARIO) LTD., 640 Fleet Street West,
Toronto, Ontario, Canada

Dried Brewers' Spent Grains

GEO. Q. MOON & CO., INC., Binghamton, N. Y.

Moon Horse Feed

Moon Laying Mash

Moon N. E. Complete Growing Mash

Moon N. E. Complete Laying Mash

Moon Rabbit Pellets

Moon Scratch Feed

Moon U.S. 20% Dairy Ration

JAS. F. MORSE & CO., 11 Horace St., Somerville, Mass.

Morse's 47% Meat & Bone Meal

MOWAT, WILSON & CO., 15325 W. 7 Mile Rd., Detroit 35, Mich.

Dried Beet Pulp

Dried Beet Pulp and Beet Molasses

NAPPANEE MILLING CO., INC., Nappanee, Ind.

Hominy Feed

NATIONAL ALFALFA DEHYDRATING & MILLING CO.,
4010 Washington St., Kansas City 11, Mo.

Krumbles

National 15% Protein Dehydrated Alfalfa Meal

National 18% HI-N Dehydrated Alfalfa Meal

National PRO 17 17% Protein Dehydrated Alfalfa Meal

National 20% Protein Dehydrated Alfalfa Meal

NATIONAL BISCUIT CO., Toledo Mill, Toledo, Ohio

Namico

Pure Wheat Bran

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., So.,
Minneapolis 6, Minn.

(See also Vitamin Carriers)

Calvita (Trade Mark Reg.) Calf Formula

Calvita Vealer Milk Replacer Medicated

NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N. J.

Clifton Flour Middlings

Clifton Wheat Bran

NOPCO CHEMICAL CO., 60 Park Pl., Newark, N. J.

(See also Vitamin Carriers)

Nopdex "3000"

Nopco-Pak Hi-Lay Premix

Nopco-Pak Super Premix

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver 2, Col.

GW Dried Beet Pulp
GW Dried Beet Pulp and Beet Molasses

OGDEN GRAIN CO., Utica, N. Y.

Conn. 16% Dairy Ration
Davis Dairy Pellets
Doc 16% Dairy
Doc 20% Dairy
Ogden C. L. Special 15
Ogden C. L. Special 16
Ogden Complete Chick Starter Med.
Ogden Complete Layer Medicated
Ogden Developer Feed
Ogden Econ-O-Mix 16% Dairy Feed
Ogden Hi Energy Laying Med.
Ogden 16% Hi-Kal Dairy Pellets
Ogden 18% Hi-Kal Dairy Pellets
Ogden Hi Value Complete Layer
Ogden Horse Feed
Ogden Life Span 15
Ogden Medicated Complete Calf Starter
Ogden Milk Replacement
Ogden Old Reliable 16 Dairy Ration
Ogden Premium Dry and Freshening Ration
Ogden Premium 16 Hi-Energy Dairy Pellets
Ogden Premium 20% Milk Ration
Ogden Premium 14 Pel-Flake
Ogden Premium 16 Pel-Flake
Ogden Premium Test Cow 16
Ogden Premium Test Cow 18
Ogden Rabbit Pellets
Ogden Reliable 15 Pel-Flake
Ogden R S 10 Roughage Supplement
Ogden Scratch Grains
Ogden Super Hi Energy Laying Feed
Ogden Super Pig Ration

THE OGILVIE FLOUR MILLS CO., LTD., 1960 Sun Life Bldg.,
Montreal, Canada

Ogilvie Pure Wheat Shorts
Ogilvie Wheat Bran

OHIO BLENDERS, INC., 2404 Summit St., Toledo, Ohio

Big "O" 17% Dehydrated Alfalfa

OLIN MATHIESON CHEMICAL CORP., 745 Fifth Ave.,
New York 22, N. Y.

Urea - Feed Compound

PACIFIC MOLASSES CO., 215 Market St., San Francisco, Cal.

Cane Molasses

PARRISH & HEIMBECKER, LTD., 43 Scott St., Toronto,
Ontario, Canada

"Parrheim" Pure Wheat Bran

PASCO PACKING CO., P. O. Box 97, Dade City, Fla.

O-MI-O Citrus Pulp
Sugar Sweet Citrus Pulp

PEAVEY CO., Flour Mills, Minneapolis 15, Minn.

Occident Wheat Bran
Occident Wheat middlings with Ground Wheat
Screenings
Occident Wheat Red Dog

PENICK & FORD, LTD., INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal
21% Protein Douglas Corn Gluten Feed

JOHN J. PEPIN & CO. (formerly L. B. Lovitt & Co.),
Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

PILLSBURY CANADA, LTD., Midland, Ontario, Canada

Dandy Wheat Bran

THE PILLSBURY CO., Minneapolis 2, Minn.

Pillsbury's XX Daisy (Wheat Red Dog)
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's Wheat Germ Meal
Pillsbury's Wheat middlings with Ground Wheat Screenings

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 32% Protein Solvent Extracted Linseed Meal

PRAIRIE DEHYDRATING CO., Roanoke, Ill.

Prairie 20% Dehydrated Alfalfa Meal

PUBLICKER INDUSTRIES, INC., 1429 Walnut St.,
Philadelphia 2, Pa.

Prograsol - Corn Distillers Grains with Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza,
Chicago 54, Ill.

Ful-O-Pep Calf Sup
Muffets Shredded Wheat Feed
Vim Oat Mill By-Product
Wheat Hominy Feed S
Yellow Hominy Feed S

QUAKER OATS CO. OF CANADA LTD., Peterborough,
Ontario, Canada

Peterborough Oat Mill by Product

THE QUAKER OATS CO., P. O. Box 46, Shiremanstown, Pa.

Ful-O-Pep Derwood Horse Crunch

Ful-O-Pep Growing Ration (W9) Medicated

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

(See also Vitamin Carriers)

Checkerboard Pasture Ration L

Corn and Oat Provender

Northeastern Scratch Feed

50% Protein Dehulled Solvent Extracted Soybean Meal

44% Protein Solvent Extracted Soybean Meal

Purina Aureomycin-Etts

Purina B & M Cow Chow

Purina Breeder Egguna NE

Purina Broiler Chow Medicated

Purina Broiler Chow MP Medicated

Purina Broiler Chow Finisher No. 1 Medicated

Purina Broiler Chow Finisher No. 1 MP Medicated

Purina Broiler Chow Finisher No. 2

Purina Broiler Chow Starter Medicated

Purina Broiler Chow Starter MP Medicated

Purina Bulky Las

Purina Calf Startena

Purina Calf Startena (Coarse)

Purina Capena MP Medicated

Purina Chek-R-Furan (Furazolidone Mixture) Medicated

Purina Chek-R-Mycin Etts TM

Purina Chick Chow (Coarse)

Purina Chick Chow (Fine)

Purina Chick Growena

Purina Chick Growena ZO Medicated

Purina Chick Startena

Purina Chick Startena ZO-V Medicated

Purina Complete Sow Chow

Purina Cow Chow Concentrate 32%

Purina Cow Chow Concentrate 36%

Purina Cow Chow D 16%

Purina Cow Chow D (B) 16%

Purina Cow Chow D 20%

Purina Cow Chow D (B) 20%

Purina Cow Chow D (U) 16%

Purina Cow Chow D (U) 20%

Purina D & F Chow

Purina D & F Chow (Coarse)

Purina Dairy Chow L 14% (Coarse)

Purina Dairy Chow L 16%

Purina .0023% Dienestrol Diacetate Mixture in Purina

Roaster Chow NC - Medicated

Purina Duck Breeder Layena

Purina Duck Growena

Purina Duck Startena

Purina Egg Chow T

Purina Egguna NE

RALSTON PURINA CO. -Cont.

Purina Game Bird F & M Chow
Purina Game Bird Breed Layena (Complete Ration)
Purina Game Bird Startena SQ Medicated
Purina Goat Chow Checkers
Purina Goat Chow (Coarse)
Purina Hen Chow D
Purina Hog Finisher No. 1 Medicated
Purina Hog Finisher No. 2
Purina Horse Chow Checkers
Purina Hygromix Medicated
Purina Layena
Purina Medicated Chek-R-Aid
Purina Medicated Mix-R-Mycin
Purina Medicated Mix-R-Mycin Concentrate
Purina Medicated Poultry Aid
Purina Milk Chow D 16%
Purina Milk Chow D 16% (Coarse)
Purina Milk Chow D (U) 16%
Purina Milk Chow D (U) 16% (Coarse)
Purina Milk Chow D 20%
Purina Milk Chow D 20% (Coarse)
Purina Mink Breeder Chow
Purina Mink Breeder Chow SF
Purina Mink Cereal
Purina Mink Developer Chow SF
Purina Neomycin Feed Mix
Purina Nursing Chow
Purina Omolene
Purina Pig Growena Medicated
Purina Pig Startena Medicated
Purina Pigeon Chow Checkers
Purina Poultry Booster Chow
Purina Poultry Wormer
Purina 36% Protein Cottonseed Meal
Purina Pullet Developer B
Purina Pullet Developer F
Purina Pullet Developer (F) ZO Medicated
Purina Rabbit Chow Checkers
Purina Rabbit Chow Checkers D
Purina Rabbit Chow Checkers (20%)
Purina Rabbit Chow Checkers (D) FZ SQ Medicated
Purina Rabbit Chow Checkers (D) WO
Purina Rabbit Chow Checkers FZ SQ Medicated
Purina Range Checkers A
Purina Roaster Chow
Purina Roaster Chow MP Medicated
Purina Silage Preserver D
Purina Special Steer Fatena 32%
Purina Squab Broiler Chow Medicated
Purina Squab Broiler Chow MP Medicated
Purina Strepto-Pen-25
Purina Strepto-Pen-Ad
Purina Turkey Breeder Layena

RALSTON PURINA CO. -Cont.

Purina Turkey Breeder Layena HZ Medicated
 Purina Turkey Finisher No. 1
 Purina Turkey Finisher No. 1 HZ Medicated
 Purina Turkey Finisher No. 2
 Purina Turkey Finisher No. 2 HZ Medicated
 Purina Turkey Growena No. 1
 Purina Turkey Growena No. 1 HS Medicated
 Purina Turkey Growena No. 1 MP Medicated
 Purina Turkey Growena No. 2
 Purina Turkey Growena No. 2 HS Medicated
 Purina Turkey Growena No. 2 MP Medicated
 Purina Turkey Startena
 Purina Turkey Startena MP Medicated
 Purina Turkey Startena FZ Medicated
 Soybean Hulls
 Wheat Middlings

READING MILLING CO., INC., Reading, Pa.

Faramel 16% All Mash Layer
 Faramel Complete Rabbit Pellets
 Faramel Special 20% Laying Mash

RELIANCE CHEMICALS CORP., 12405 Sowden Rd., Houston, Tex.

B-Pol, A Dried Crude Culture of Live B. megatherium

SALADA FOODS, INC., Plant City, Fla.

Horsey Brand Dried Citrus Pulp

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Calf Starter
 Wolf's Complete Hi-Eff Egg Breeder Mash
 Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
 Wolf's Complete Hi-Eff Growing Mash
 Wolf's Complete Hi-Eff Profit Builder-Medicated-AR 0.0099%
 Wolf's Complete Hi-Eff Profit Builder-Medicated-
 AR 0.0099%, SQ 0.0175%
 Wolf's 14% Dairy Ration
 Wolf's 16% Dairy Pellets
 Wolf's 16% Dairy Ration
 Wolf's Dry & Freshening Ration
 Wolf's Finisher Ration-Medicated
 Wolf's Hi-Speed Starter & Broiler Ration-Medicated-
 Bithionol 0.05%, Methiotriazamine 0.01%
 Wolf's Hi-Speed Starter & Broiler Ration-Medicated-
 SQ 0.0175%, AR 0.0099%
 Wolf's Horse Feed
 Wolf's Medicated Complete Hi-Eff Profit Builder-
 Chl. hyd. 0.100 gm./lb., AR 0.0099%
 Wolf's Medicated Complete Hi-Eff Profit Builder
 Wolf's Medicated Poultry Booster
 Wolf's Pig & Hog Feed
 Wolf's 16% Test Ration
 Wolf's 18% Test Ration

SCHENLEY DISTILLERS, INC., 1290 Avenue of the Americas,
New York, N. Y.

Corn Germ Meal (Dry Milled)

Schenley Mark of Merit Corn Distillers Dried Grains with
Solubles

Schenley Mark of Merit Milo Distillers Dried Grains with
Solubles 24-5-13

Schenley Mark of Merit Milo Distillers Dried Grains with
Solubles 26-6-13

Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super Green Dehydrated Alfalfa Meal

SEA BOARD SUPPLY CO., 35th & Grays Ferry Ave.,
Philadelphia 46, Pa.

Dried Tomato Pomace

SEA-BORN, Mineral Div. of Skod Co., 15 E. Elm St.,
Greenwich, Conn.

ALGIT (Norwegian Kelp Meal)

Sea Born Norwegian Seaweed Meal - Special Fine Grind

JOESPH E. SEAGRAM & SONS, INC., 375 Park Ave.,
New York, N. Y.

Seagram's Corn Distillers Dried Grains 23-7-14

Seagram's Corn Distillers Dried Grains 24-8-14

Seagram's Corn Distillers Dried Grains 25-8-11

Seagram's Corn Distillers Dried Solubles

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn.

Miracle 14% Calf Grower

Miracle Dairy 16%

Miracle Fitting Ration

Miracle Hi-Efficiency Grower

Miracle Hi-Energy All Mash Layer

Miracle Horse Feed with Molasses

Miracle 20% Laying Mash

Miracle Scratch Feed

Pasture Mix

See-More-Milk Dairy Ration

SHERWIN-WILLIAMS CO., 101 Prospect Ave., N. W.,
Cleveland, Ohio

Sherwin-Williams 32% Linseed Meal (Sol. Extr.)

SHERWOOD FEED MILLS, INC., Baltimore, Md.

Brewer's Dried Grains

SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla.

Bluebird Citrus Pulp

A. E. STALEY MFG. CO., Decatur, Ill.

Hi-Pro-Con 50% Protein Dehulled Solvent Extracted
Soybean Meal

A. E. STALEY MFG. CO. -Cont.

44% Protein Solvent Extracted Staley's^(R) Soybean Meal
Staley's 21% Corn Gluten Feed
Staley SWEETLIX Molasses Block

F. W. STOCK & SONS, INC., Hillsdale, Mich.

Stock's Wheat Bran
Stock's Wheat middlings

SUNI-CITRUS PRODUCTS CO., Haines City, Fla.

Registered by Cocke & Co., Atlanta 3, Ga.

Ground Suni-Citrolas Pellets
Sweet Suni-Citrus Pulp

SUNSHINE BISCUIT, INC., Milling Div., Grafton, Ohio

UMC Wheat Bran - Pure Wheat Bran

SWIFT & CO., P. O. Box 110, Fostoria, Ohio

Swift's Cottonseed Meal or Pellets 41% Protein-Prime Quality
Swift's 44% Protein Solvent Extracted Soybean Meal
Swift's Super Soy - 50% Protein Dehulled Solvent Extracted
Soybean Meal

T. H. TAYLOR CO., LTD., 14 William St., N., Chatham,
Ontario, Canada

Beaver Wheat Bran

TEKLAD, INC., P. O. Box 348, Monmouth, Ill.

ROCKLAND Rabbit Ration
ROCKLAND Guinea Pig Diet

TRI ASSOCIATES, INC., 8500 Pillsbury Ave., So.,
Minneapolis, Minn.

(See also Vitamin Carriers)

Tri's Grade A Brand Milk Replacer - Medicated

TROPICANA PRODUCTS, INC., Bradenton, Fla.

Tropicana's Sweetest Dried Citrus

ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill.

32% Protein Solvent Extracted Linseed Oil Meal
Ultra-Life Beef Gro
Ultra-Life Broiler-Gro Medicated (3 Nitro)
Ultra-Life Calf Food Pellets Medicated
Ultra-Life Freshertone
Ultra-Life Hi-Dee 7
Ultra-Life High Energy Poultry
Ultra-Life Livestock
Ultra-Life Pig Gro

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad St.,
Fitchburg, Mass.

Co-op Hi NRG Egg Maker

UNITED CO-OPERATIVE FARMERS, INC. -Cont.

UCF Calf Grower
UCF 16% Dairy
UCF 18% Dairy
UCF 20% Dairy
UCF Fitting Ration
UCF Grower
UCF Hi NRG All Mash Breeder
UCF Hi NRG All Mash Grower
UCF Hi NRG All Mash Layer
UCF Hi NRG Starter Medicated
UCF Horse Feed
UCF Layer
UCF Medicated Booster-200
UCF Medicated Booster NF 200
UCF Medicated HI-PO 200
UCF Milk Replacer
UCF Pig & Hog Feed
UCF Scratch Feed

UNITY FEEDS, INC., 177 Milk St., Boston 9, Mass.

Unity Broiler Starter Medicated
Unity Complete Rabbit Pellets
Unity 16% Dairy
Unity Dairy & Fitting Ration
Unity Growing & Laying Mash
Unity High Energy Breeder Mash
Unity High Energy Growing Mash
Unity High Energy Laying Mash
Unity Improved Calf Ration
Unity Medicated Booster
Unity Medicated Hen-Biotic
Unity 16% Milkets
Unity Pig & Hog Ration
Unity Scratch Feed
Unity Super Starter Medicated
Unity Trim Medicated
Unity Turkey & Game Bird Growing Mash

UNIVERSAL GRAIN CO. of N. J., 425 South St., Newark, N. J.

Superior Cow Brand Brewers Dried Grains

GEORGE URBAN MILLING CO., 200 Urban St., Buffalo 3, N. J.

Wheat Middlings with Ground Screenings not exceeding
Mill Run

HIRAM WALKER & SONS, INC., Peoria, Ill.

Corn Distillers Dried Grains with Solubles

WILLIAM S. WARREN & SON, Eastford, Conn.

Warren's 16 Dairy Ration
Warren's Fitting Ration
Warren's 16% Test Cow Ration
Warren's Horse Feed

WATERTOWN CO-OP. ASSN., INC., 27 Depot St.,
Watertown, Conn.

Watertown Co-Op 16% Dairy Feed

H. K. WEBSTER CO., Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration Medicated
Blue Seal All-Mash Growing Ration Medicated
Blue Seal All-Mash Growing Ration ZL Medicated
Blue Seal C-4 Broiler Medicated
Blue Seal Calf Starter
Blue Seal Chick Starter Medicated
Blue Seal Coarse 16 Dairy Ration
Blue Seal Coarse 20 Dairy Ration
Blue Seal Complete Horse Ration
Blue Seal "30" Dairy Concentrate
Blue Seal 16% Dairy Mix
Blue Seal Egg Mash
Blue Seal Fat & Finish Ration
Blue Seal C-5 Finisher Medicated
Blue Seal Fitting Ration
Blue Seal 770 Grower
Blue Seal 770 Grower ZL Medicated
Blue Seal Horse Feed
Blue Seal Ket-O-Pels Medicated
Blue Seal 880 Layer
Blue Seal Medicated NF-Mix
Blue Seal Milk Replacer
Blue Seal Milkers' 16 Pellets
Blue Seal Milkers' 20 Pellets
Blue Seal 16% Nuggets
Blue Seal Pig Feed Medicated
Blue Seal Poultry Wormer
Blue Seal Producer's Grow and Lay
Blue Seal Rabbit Pellets
Blue Seal Standard "16" Dairy Ration
Blue Seal Standard "20" Dairy Ration
Blue Seal Standard "14" Fitting Ration
Blue Seal Succulent Feed and Calving Ration
Blue Seal Super Breeder's Mash Medicated
Blue Seal Sweet Pulp
Blue Seal Test Ration
Blue Seal Turkey Growing
Blue Seal Turkey Growing HS Medicated
Blue Seal Turkey Starter Medicated

WEST-NESBITT, INC., Oneonta, N. Y.

Cream Line Dairy Test Ration
Pure Feed Broiler Starter Medicated
Pure Feed Complete Grower
Pure Feed Complete Layer
Pure Feed Complete Rabbit Pellets
Pure Feed 16% Dairy Pellets
Pure Feed Egg and Breeder

WEST-NESBITT, INC. -Cont.

Pure Feed Egg Maker
Pure Feed 14% Fitting Ration
Pure Feed Grower
Pure Feed Horse Ration
Pure Feed Roaster Finisher Medicated
Pure Feed Starter Medicated
Pure Feed Sweet "16"
Pure Feed Swine Ration
Pure Feed Turkey Finisher
Pure Feed Turkey Grower
West Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Conn.

Special No. 3 Dairy Ration

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Flav-A-Dee

THE GEO. WIEDEMANN BREWING CO., 601 Columbia St.,
Newport, Ky.

Brewers Dried Grain

WILKINS-ROGERS MILLING CO., INC., Washington, D. C.

Washington Wheat Flour Middlings

WILSON'S CORN PRODUCTS, INC., E. Fourth St., Rochester, Ind.

Wilson Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE,
Winter Garden, Fla.

Wholesun Dried Citrus Pulp

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

(See also Vitamin Carriers)

Apex 16% Dairy Feed 587E
Apex 20% Dairy Feed 588E
Wirthmore Big W All Pellet 16 Dairy Feed 557F
Wirthmore Big W All Pellet 20 Dairy Feed 559F
Wirthmore Big W 16 Dairy Feed 552F
Wirthmore Big W 20 Dairy Feed 554F
Wirthmore Baby Chick Scratch 463A
Wirthmore 36% Breeder Concentrate 294A
Wirthmore Breeder Mash 274A
Wirthmore Cage & Slat Floor Layer Medicated 228A
Wirthmore Calf Starter 572A
Wirthmore Chick Starter 101A
Wirthmore Chick Starter SQ Medicated 103A
Wirthmore Chick Starter TRithi Medicated 104A
Wirthmore Coccidiosis Treatment Ration 415A
Wirthmore Commercial Hi-Ener-G Breeder Arsan 261B
Medicated
Wirthmore Complete Breeder Ration 264A

WIRTHMORE FEEDS INC. -Cont.

Wirthmore Complete Growing Ration 205A
Wirthmore Complete Growing Ration SQ 206A Medicated
Wirthmore Complete Turkey Breeder Ration 371A
Wirthmore Complete Turkey Fattening Ration Medicated 362A
Wirthmore Complete Turkey Fattening Ration 361A Pellets
Wirthmore Complete Turkey Growing Ration 341A Pellets
Wirthmore Complete Turkey Growing Ration Medicated 342A
Wirthmore 32 Dairy Concentrate 569A
Wirthmore 14 Dairy Feed 521A
Wirthmore 16 Dairy Feed 522A
Wirthmore 20 Dairy Feed 524A
Wirthmore 36% Dairy Mixing Feed 564A
Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore
Finisher 185A
Wirthmore Duck Growing 452A
Wirthmore Fodder Greens 581A
Wirthmore Game Bird Grower Ration 322A
Wirthmore Game Bird Starter Medicated 313A
Wirthmore Grow & Egg Mash
Wirthmore Grow & Egg Mash SQ 250A Medicated
Wirthmore Hi-Cal Broiler Finisher A 142A Medicated
Wirthmore Hi-Cal Broiler Starter A 123A Medicated
Wirthmore 14 Hi-Cal Pellets Dairy Feed 531A
Wirthmore 16 Hi-Cal Pellets Dairy Feed 532A
Wirthmore 18 Hi-Cal Pellets Dairy Feed 533A
Wirthmore Hi-Cal Roaster Finisher A 179A Medicated
Wirthmore Hi-Ener-G Broiler Ration A 140A Medicated
Wirthmore Hi-Ener-G Breeder ARSAN 261A Medicated
Wirthmore Hi-Ener-G 16 220A
Wirthmore Hi-Ener-G 17 237A
Wirthmore Hi-Ener-G Layer ARSAN 216A Medicated
Wirthmore Hi-Ener-G 16 Layer Medicated 231A
Wirthmore Hi-Ener-G 17 Layer Medicated 238A
Wirthmore Hog Grower 722A
Wirthmore Horse Feed 811A
Wirthmore Meatless Mink Food 842A
Wirthmore Medicated Ketrol 576A
Wirthmore Medicated Quickies 413A
Wirthmore Medicated Quickies 423A
Wirthmore Medicated Quick Perk 412A
Wirthmore Medicated Treat 414A
Wirthmore Medicated Turk-E-Perk 314A
Wirthmore Milk Mizer 571A
Wirthmore Mink Food 841A
Wirthmore Original New Hope Horse Feed 815A
Wirthmore New Hope Complete Horse Feed 813A
Wirthmore Horse Perkies 817A
Wirthmore O.P.M. Scratch 467T
Wirthmore Pig and Sow Feed 721A
Wirthmore Pig Starter Medicated 711A
Wirthmore 36% Poultry Concentrate 291A
Wirthmore Poultry Fitting 418A
Wirthmore Poultry Wormer 416A Pellets

WIRTHMORE FEEDS INC. -Cont.

Wirthmore 16 Pro-Cal Pellets Dairy Feed 538A
Wirthmore Pullet Developer 202A
Wirthmore Rabbit Pellets 831A
Wirthmore Rabbit Pellets Medicated 832A
Wirthmore 14 Record Dairy Feed 517A
Wirthmore 16 Record Dairy Feed 512A
Wirthmore 18 Record Dairy Feed 513A
Wirthmore 20 Record Dairy Feed 519A
Wirthmore 14 Record Fitting and Calving Feed 516A
Wirthmore Scratch 461A
Wirthmore Stock Primer 616A
Wirthmore Stable Mate Complete Horse Feed 816A
Wirthmore Super Pellets 411A
Wirthmore 16 Test Dairy Feed 514A Pellets
Wirthmore Turkey Growing Ration 321A
Wirthmore Turkey Growing Ration Medicated 323A
Wirthmore Turkey Starter SQ 312A Medicated
Wirthmore Twin Mix Calf Feed 573A
Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537A

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St.,
Norwich, Conn.

Big Y Caged Layer Ration
Big Y Calf and Beef Ration
Big Y Calving Ration
Big Y Cavalier Horse Feed
Big Y Chick Scratch Grain
Big Y Chlortetracycline (Aureomycin) Mixture
Big Y Complete Calf Starter and Builder
Big Y Complete Grower Layer Mash
Big Y Confinement Growing Mash
Big Y Controlled Growing Ration
Big Y Dairy Ration Purity No Filler
Big Y 16% Dairy Ration
Big Y 18% Dairy Ration
Big Y 20% Dairy Ration
Big Y Dairy Ration Purity
Big Y Dairy & Fitting Ration (Coarse)
Big Y Dairy Supplement 32%
Big Y Energized 16 Dairy Feed
Big Y Extra Production Laying Mash
Big Y Hi-Efficiency Breeder Ration
Big Y Hi-Efficiency Grower
Big Y Hi-Efficiency Grower Medicated
Big Y Hi-Efficiency Laying Mash
Big Y Hi-Efficiency Laying Mash Medicated NF180
Big Y Hi-G Dairy Ration
Big Y Hi-G Dairy Ration 20%
Big Y Hi-G Scratch Feed
Big Y Histostat Mixture Mixed-Big Y Turkey Growing Feed
Big Y Hog & Pig Ration
Big Y Horse Feed
Big Y Improved Al Mo

THE YANTIC GRAIN & PRODUCTS CO. -Cont.

Big Y Improved Broiler Finisher
 Big Y Improved Broiler Finisher Medicated
 Big Y Improved Broiler Ration Medicated
 Big Y Improved Turkey Starter & Game Bird Feed Medicated
 Big Y Intermediate Chick Grain
 Big Y 20% Laying Mash
 Big Y M and O Growing Feed
 Big Y Milk Replacer for Calves
 Big Y Peerless Broiler Ration Medicated
 Big Y Poultry Fitting Ration
 Big Y Powerhouse Crumbles Medicated
 Big Y Pre Starter Medicated
 Big Y Producto Pels
 Big Y Rabbit Pellets
 Big Y Scratch Feed
 Big Y Sheep and Goat Feed
 Big Y Station Fattener Pellets
 Big Y Stock Feed
 Big Y Super Starter Ration Medicated
 Big Y Super Starter & Broiler Ration
 Big Y Supreme Laying Mash
 Big Y Test Cow Ration
 Big Y Turkey Fattener
 Big Y Turkey Growing Feed
 Big Y Turkey Growing Feed Medicated
 Big Y Worming Mash

MEYER ZAUSNER, INC., New Holland, Pa.

Zausner Condensed Whole Whey

VITAMIN CARRIERS

AMERICAN CYANAMID CO., P. O. Box 400, Princeton, N. J.

(See also Feeds)

AUREOMYCIN Chlortetracycline Crumbles

CLINTON CORN PROCESSING CO., Clinton, Iowa

(See also Feeds)

Clinton CFS Concentrate No. 1

DARI-DRI COMPANY, Div. of Milk Specialties, Water & Illinois St., Dundee, Ill.

(See also Feeds)

DARI-DRI Baby Calf Formula

DAWNWOOD FARMS, Amenia, N. Y.

(See also Feeds)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

PEDER DEVOLD OIL CO., Div. of Chas. L. Huisking & Co.,
Inc., 417 Fifth Ave., New York 17, N. Y.

Peder Devold Cod Liver Oil N. F.

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central
St., West Springfield, Mass.

(See also Feeds)

Calf Saver Tablets

JOHN G. EWING CO., La Salle, Col.

Formula 707 Conditioner

THE FOX COMPANY, Newfield, N. J.

Foxco Qualadee 300-D-2250-A

H. P. HOOD & SONS, INC., 500 Rutherford Ave.,
Boston 29, Mass.

(See also Feeds)

Pep-Lac

Whey-Lac

INTERNATIONAL STOCK FOOD CORP., 533 Broad St.,
Waverly, N. Y.

(See also Feeds)

Rumen Bacteria and Nux Vomica Mix Incorporated in I. S. F.
Cattle Special

Rumen Bacteria Mix Incorporated in I. S. F. Grow-Em Milk
Replacer

KRAFT FOODS (Div. National Dairy Prod. Corp.), 99 Park Ave.,
New York 16, N. Y.

(See also Feeds)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef
Cattle, Lambs and Sheep

KAFF-A Milk Replacer for Calves Medicated

Pace Feed Booster Pellets for Horses, Ponies & Colts

Pex Feed Booster Pellets for Layers & Breeders

PEX Condensed for Poultry

PEX Self Feeder Block for Poultry

MERCK & CO., INC., Rahway, N. J.

(See also Feeds)

No. 1339 Feed Mixture

No. 1061 Feed Supplement

No. 659 Vitamin Mixture

MILK SPECIALTIES, INC., Water & Illinois St., Dundee, Ill.

(See also feeds)

Dari-Dri Veal Formula

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., So., Minneapolis 6, Minn.

(See also Feeds)

Calvita (Trade Mark Reg.) Calf Formula
Calvita Vealer Milk Replacer Medicated

NOPCO CHEMICAL CO., 60 Park Pl., Newark, N. J.

(See also Feeds)

Nopdex "3000"
Nopco-Pak Hi-Lay Premix
Nopco-Pak Super Premix

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

(See also Feeds)

Purina Cattle-Plus

STABILIZED VITAMINS DIVISION, Commercial Solvents Corp., 142 Monroe St., Garfield, N. J.

Permadry 30,000
Perma-Dual 30,000
Perma-Mix C. C. C. No. 1
Perma-Mix C. C. C. No. 2
Perma-Mix C. C. C. No. 3
Perma-Mix C. C. C. No. 4 Broilers
Premix 2-4-9-10
Pro-Strep and Vitamin A Premix
Vitaron Vitamin A and D Feeding Oil

STANDARD BRANDS, INC., Special Products Div., Agricultural Dept., 625 Madison Ave., New York 22, N. Y.

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

TRI ASSOCIATES, INC., 8500 Pillsbury Avenue So., Minneapolis, Minn.

(See also Feeds)

Tri's Grade A Brand Milk Replacer - Medicated

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Derby All-Purpose Premix
Flav-A-Dee
Whitmoyer 150D - 1500A Pure Cod Liver Oil

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

(See also Feeds)

Wirthmore Meatless Mink Food 842A
Wirthmore Mink Food 841A

In the calendar year 1963, a total of 1,557 samples was examined. This total included official samples of commercial feeds, concentrates of vitamin D and other vitamins, and miscellaneous materials, as shown in the following summary:

Biological specimens analyzed for poison	178
Check feeds, A.A.F.C.O., etc.	12
Commercial feeding stuffs, official samples	694
Miscellaneous feeds, etc., analyzed for purchasers	70
Pasture grass and feedstuffs for Storrs Station	535
Vitamin carriers	68
	1,557

The samples examined for Storrs Station were submitted in connection with investigations of that Station, and are not discussed in this report.

Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples	694
Samples deficient in:	
one item	62
two items	6
three items	1
	69
Percentage of samples meeting guaranties	90
Total guaranties made	2,196 ²
Guaranties not met:	
protein	20
fat	16
fiber	7
furazolidone	1
4-nitrophenylarsonic acid	1
phenothiazine	1
sulfaquinoxaline	2
zoalene	2
	50
Percentage of guaranties met	98

The proportion of samples meeting all guaranties was slightly lower than the 93 per cent found in 1962, but still exceeded the findings for 1960 and 1961. The overall percentage of satisfactory guaranties was two points higher than for the four-year period 1959-1962. This is a commendable record, particularly so in the

² Seventeen samples with five guaranties, 101 with four guaranties, 564 with three guaranties, seven with two guaranties, one with one guaranty, and four with no guaranty (guaranties for undetermined medicants not included).

light of the fact that a substantial proportion of these feeds contained accurately-measured small fractions of one per cent of various drugs.

Analyses are given in Table 1; deficiencies are shown by wavy underlining (~~~). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and \pm 20 per cent of guaranty for drugs.

Vitamin Carriers

Sixty-eight samples of vitamin concentrates were examined. Assays on these were as follows: Twenty-three for vitamin D only, using the A.O.A.C. chick method; 36 for vitamin D, calcium pantothenate, niacin and riboflavin; two for calcium pantothenate, niacin, riboflavin and thiamine; two for these four vitamins plus folic acid; one for calcium pantothenate, niacin and riboflavin; one for niacin and riboflavin; one for niacin only; and one for riboflavin only. Results of all assays are given in Table 2.

No deficiency in vitamin D was found in any sample on the basis of a \pm 20 per cent tolerance, the numbers of samples containing either too little or too much of the other vitamins were as follows:

<u>Too high or low in</u>	<u>No. of samples</u>
Calcium pantothenate, folic acid, niacin, riboflavin and thiamine	1
Calcium pantothenate, niacin and riboflavin	1
Calcium pantothenate and folic acid	1
Calcium pantothenate and riboflavin	2
Niacin, riboflavin and thiamine	1
Calcium pantothenate	9
Niacin	2
Riboflavin	4
Riboflavin and thiamine	1
	22

Of the total of 68 samples, 46, or 68 per cent, met all guaranties.

Miscellaneous Feeds

Seventy unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and consumers, samples of hay and silage for farmers, and miscellaneous materials suspected of having poisoned livestock or pets. There were also two feed samples submitted by the Maine Agricultural Experiment Station for check determinations of their amprolium contents, and nine samples of hay, silage and mixed feed taken by the State Department of Agriculture at three dairy farms in an attempt to find the source of DDT in the milk of these producers.

No deleterious substance was found in any commercial feed, and the only samples found to contain definitely significant proportions of any poisons were the following:

9992 and 9993. Corn. State Board of Fisheries and Game.
Baited with strychnine.

8746. Fresh Chicory. Lake Growers Coöperative, Belle Glade, Florida. This sample, which was purchased at the "Food Fair" in Stratford, was submitted because some canaries to whom it had been fed had died within two minutes. Analyses showed 16 parts per million of parathion, which is 16 times the legal tolerance. This is the only case of a food containing a significant excess of a pesticide that we have encountered to date.

8724. Meat Suspected of Being Poisoned Bait. L. O. Nezvesky, D. V. M., Trumbull, Conn. Unidentified alkaloid present.

8522. Pink Powder. Health Dept., Waterbury, Conn. This was apparently a fertilizer - insecticide mixture; it contained 0.23 per cent of lead arsenate ($PbHAsO_4$).

Of nine samples of various mink foods submitted to find out why minks were miscarrying and their kits being born dead, a fish head and the ear of an unidentified animal were each found to contain about 0.1 part per million of dieldrin or endrin; the fish head also contained less than 1 p.p.m. each of DDT and TDE. Whether these low proportions of pesticides bore any causative relation to the complained-of symptoms is doubtful.

Of the nine samples tested for DDT for the State Department of Agriculture, six were free of this insecticide, one silage contained 5.7 parts per million, and two hays contained respectively 0.2 and 0.1 p.p.m. The concentration in the silage was high enough to produce detectable traces of DDT in the cows' milk; those in the hays were probably too low to have any such effect.

Biological Specimens Examined for Poisons

One hundred and seventy-eight biological specimens, mostly of domestic animals and poultry, were submitted for examination because of suspected poisoning. In 39 of them poisonous substances were present in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the numbers of specimens in which they were found, are summarized as follows: Chlordane (1); chromium (2); chromium with mercury (1); chromium with sanguinarin or lobeline (1); cyanide (2); DDT (1); guthion (1); lead (13); lead with thallium (1); mercury (8); mercury with an unidentified alkaloid (1); mercury with zinc (1); nitrate (1); titanium (1); unidentified alkaloids (3); and white pine needles (1).

A number of investigational samples of birds and fish were analyzed for DDT and other insecticides, but the only samples in which sufficient proportions of pesticides were present to indicate possible poisoning were the following: The viscera of a robin contained 65 parts per million of DDT; the liver and kidney of a heifer

contained 9 p.p.m. of chlordane; and guthion was found in a ewe in amounts of 2.3 p.p.m. in the kidney, 1.3 p.p.m. in the liver, and 6.9 p.p.m. in the stomach contents.

The case of nitrate poisoning involved a dog whose liver and stomach contents each contained 400 p.p.m. of nitrate nitrogen. The lead and thallium case was that of a raccoon; the titanium was found in a cervical lymph node of a human patient; and the white-pine-needle poisoning case was that of a goat.

Check Feeds

Twelve feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
	ACME-EVANS CO., INC., Indianapolis, Ind.			
1629	Acme Yellow Hominy Feed	9.84	9.00	9.75
	ALBERS MILLING CO. (Division of Carnation Co.), Los Angeles 36, Calif.			
0469	Albers Calf Manna	9.91	25.00	25.50
0470	Albers Rabbit Breeder Paks	8.67	15.00	17.50
0471	Albers Sho-Glo	8.27	22.00	22.75
0978	Albers Spur	9.59	25.00	26.25
0733	Albers Suckle	7.41	24.00	26.75
	AMERICAN CRYSTAL SUGAR CO., East Grand Forks, Minn.			
0953	Dried Beet Pulp with Beet Molasses	7.36	9.50	10.25
0790	Plain Dried Beet Pulp	8.36	8.50	8.75
	AMERICAN CYANAMID CO., Princeton, N. J.			
1083	Aureomycin Chlortetracycline Vitamin A & D Crumbles	7.12	15.00	18.75
0965	Cyrea Urea Feed Compound	....	262.00	266.76
	AMERICAN FEED CO., New York 53, N. Y.			
0225	AFCO Brand Dried Bakery Product	9.69	9.50	10.25
0481	AFCO Brand Dried Bakery Product	9.00	9.50	11.25
	ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.			
1070	ADM Linseed Meal Grits	11.15	32.00	32.75
	ATLANTIC PROCESSING CO., Amagansett, N. Y.			
0987	Smith's Lifeline Fish Meal	6.27	60.00	64.38

~~~~ Indicates deficiencies.

## Analyses

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| Fat                      |       | Fiber                    |              | Medicants                                                           |
|--------------------------|-------|--------------------------|--------------|---------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found        |                                                                     |
| 7.00                     | 7.31  | 6.00                     | 3.93         |                                                                     |
| 3.00                     | 2.96  | 6.00                     | 5.72         |                                                                     |
| 2.00                     | 2.04  | 22.00                    | 20.97        |                                                                     |
| 5.00                     | 5.19  | 7.00                     | 5.73         |                                                                     |
| 2.00                     | 2.36  | 13.00                    | 11.60        |                                                                     |
| 5.00                     | 5.24  | 1.00                     | 0.74         |                                                                     |
| 0.30                     | 0.50  | 19.00                    | 16.48        |                                                                     |
| 0.30                     | 0.38  | 22.00                    | 20.50        |                                                                     |
| 4.00                     | 4.83  | 24.00                    | 23.02        | Chlortetracycline hydrochloride: Guar., 2.0 gm/lb.; not determined. |
| ....                     | ....  | ....                     | ....         |                                                                     |
| 8.00                     | 7.86  | 2.00                     | 1.08         |                                                                     |
| 8.00                     | 8.03  | 2.00                     | 1.11         |                                                                     |
| 0.50                     | 2.69  | 11.00                    | <u>12.16</u> |                                                                     |
| 5.00                     | 10.64 | 3.00                     | 0.25         |                                                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                    | Mois-ture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------------------------|-----------|--------------------------|-------|
|             |                                                                           |           | Guaranteed not less than | Found |
|             | BAY STATE MILLING CO.,<br>Leavenworth, Kan.                               |           |                          |       |
| 0457        | Bay State "Wheat Shorts" with<br>Ground Wheat Screenings                  | 13.05     | 16.00                    | 17.25 |
|             | BEACON FEEDS, Beacon Div.<br>Textron, Inc., Cayuga, N. Y.                 |           |                          |       |
| 0761        | Beacon Balancer Pellets                                                   | 9.71      | 20.00                    | 20.00 |
| 0763        | Beacon Brisk Complete Horse<br>Feed                                       | 10.31     | 12.50                    | 12.75 |
| 1847        | Beacon Broiler Finisher APP Med.                                          | 10.26     | 20.00                    | 21.25 |
|             |                                                                           |           |                          |       |
| 0890        | Beacon Calf Grow                                                          | 11.01     | 17.00                    | 17.25 |
| 0847        | Beacon Chinchilla Pellets                                                 | 8.87      | 19.00                    | 19.00 |
| 1552        | Beacon "15" Coarse Test Cow<br>Ration                                     | 10.87     | 15.00                    | 15.00 |
| 0762        | Beacon Complete Rabbit Pellets                                            | 9.46      | 17.00                    | 17.75 |
| 0888        | Beacon Dairy Fitting                                                      | 11.23     | 14.00                    | 14.75 |
| 1725        | Beacon 0.007% Dienestrol Diace-<br>tate Mix in Beacon Poultry<br>Finisher | 10.96     | 15.00                    | 16.00 |
|             |                                                                           |           |                          |       |
| 1075        | Beacon Duck Breeder                                                       | 10.14     | 17.00                    | 16.50 |
| 0894        | Beacon Duck Grower Finisher<br>(Pellets)                                  | 11.65     | 15.50                    | 16.00 |
| 1143        | Beacon Egg Check A Medicated                                              | 10.01     | 15.00                    | 15.50 |
|             |                                                                           |           |                          |       |
| 0764        | Beacon "22" Egg Mash                                                      | 9.69      | 22.00                    | 24.25 |
| 1242        | Beacon Egg Mate A Medicated                                               | 10.14     | 16.00                    | 16.75 |
|             |                                                                           |           |                          |       |
| 1245        | Beacon Hi-Energy Hog Finisher<br>Pellets Medicated                        | 10.47     | 14.00                    | 14.25 |
|             |                                                                           |           |                          |       |
| 0227        | Beacon Hi-Energy "16" Test<br>Pellets                                     | 9.81      | 16.00                    | 16.25 |
| 0891        | Beacon Lacto-Pels "16"                                                    | 10.07     | 16.00                    | 16.75 |
| 1243        | Beacon Market Egg All-Mash-A<br>Medicated                                 | 10.50     | 17.00                    | 17.75 |
|             |                                                                           |           |                          |       |
| 0760        | Beacon Milk Check Coarse "16"                                             | 9.91      | 16.00                    | 17.25 |
| 0889        | Beacon Milk Check Fitting Ration                                          | 10.00     | 14.00                    | 15.50 |

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Indicates deficiencies.

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Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	4.74	7.00	7.72	
3.00	3.75	6.00	4.67	
2.50	2.59	18.00	14.97	
6.00	<u>5.09</u>	3.50	2.30	Amprolium: Guar., 0.0125%; found, 0.0140%. Ethopabate: Guar., 0.0004%; found, 0.00038%.
3.00	3.23	9.00	6.28	
2.50	3.58	14.00	13.12	
4.00	4.48	7.50	6.62	
3.50	4.23	13.00	10.00	
3.50	4.11	8.00	7.04	
4.00	4.31	4.50	2.36	Dienestrol Diacetate: Guar., 0.0070%; found, 0.0060%.
3.00	3.23	7.00	5.31	Nicarbazin Guar., 0.0125%; found, 0.0108%.
2.75	3.98	6.50	5.21	
2.50	3.24	6.00	5.76	Arsanilic acid: Guar., 0.009%; found, 0.0080%.
3.50	4.16	6.00	4.34	
3.00	4.59	5.00	3.94	Arsanilic acid: Guar., 0.0090%; found, 0.0088%.
3.00	3.18	7.00	3.98	Arsanilic acid: Guar., 0.0090%; found, 0.0088%.
4.25	4.59	7.00	7.34	
3.50	3.54	9.00	9.13	
3.50	4.67	4.00	3.09	Arsanilic acid: Guar., 0.0090%; found, 0.0083%.
3.75	3.68	9.00	9.30	
3.00	2.94	10.00	10.20	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
1549	Beacon "24" Mixer	9.21	24.00	26.75
1142	Beacon Pig Gro Pellets Medicated	10.31	16.00	18.00
1551	Beacon Prof-Ets "16"	9.99	16.00	16.50
1915	Beacon Rumentrol Medicated (Pellets)	9.53	16.00	17.00
0226	Beacon Sweet "16" Dairy Ration	11.24	16.00	17.25
0759	Beacon Tally-Ho Horse Feed	12.34	11.00	11.50
0887	Beacon "16" Test Cow Ration	11.43	16.00	16.00
0895	Beacon "20" Turkey Grower (Pellets)	11.31	20.00	20.75
0848	Be-Co-Nurse Milk Replacer	4.73	24.00	24.25
1555	Hominy Feed	9.93	.....	11.25
0846	Pro-Pel "16" Dairy	9.67	16.00	16.00
1550	Standard Midds	10.19	.....	17.50
THE BERKMAN GRAIN CO., North Franklin, Conn.				
0368	Nibco 18% Dairy Ration	10.99	18.00	18.00
0369	Nibco Fitting Ration	11.36	14.00	14.00
1731	Nibco Five Star Roaster	11.84	16.00	17.25
1722	Nibco Five Star Roaster Feed	11.06	16.00	19.00
1723	Nibco Five Star Roaster (Pellets)	10.61	16.00	17.25
1729	Nibco Five Star Roaster (Pellets)	11.02	16.00	17.75
1565	Nibco Five Star Super Starter	11.21	25.00	24.25
1566	Nibco Five Star Weight Maker	9.75	22.00	21.25

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Indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

| Fat                      |             | Fiber                    |       | Medicants                                                                                                                                                            |
|--------------------------|-------------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                                                                                      |
| 3.00                     | 3.00        | 9.00                     | 8.13  |                                                                                                                                                                      |
| 3.00                     | 3.35        | 5.00                     | 3.60  | Arsanilic Acid: Guar., 0.0090%; found, 0.0078%.                                                                                                                      |
| 3.75                     | 3.89        | 9.00                     | 8.98  |                                                                                                                                                                      |
| 3.50                     | 3.63        | 8.00                     | 5.57  | Sodium Propionate: Guar., 1.67%; not determined.                                                                                                                     |
| 3.50                     | 4.14        | 8.50                     | 6.82  |                                                                                                                                                                      |
| 3.00                     | 2.94        | 10.00                    | 5.99  |                                                                                                                                                                      |
| 4.00                     | 4.04        | 8.00                     | 6.85  |                                                                                                                                                                      |
| 3.00                     | 3.90        | 5.50                     | 3.60  |                                                                                                                                                                      |
| 10.00                    | <u>9.40</u> | 0.25                     | 0.13  |                                                                                                                                                                      |
| ....                     | 4.50        | ....                     | 4.64  |                                                                                                                                                                      |
| 3.00                     | 3.10        | 12.00                    | 12.52 |                                                                                                                                                                      |
| ....                     | 4.13        | ....                     | 7.11  |                                                                                                                                                                      |
| 4.00                     | <u>3.17</u> | 8.00                     | 6.64  |                                                                                                                                                                      |
| 4.00                     | 4.20        | 8.00                     | 7.29  |                                                                                                                                                                      |
| 4.50                     | 5.29        | 3.00                     | 2.32  | Nicarbazin: Guar., 0.010%; found, 0.0106%.                                                                                                                           |
| 4.50                     | 4.98        | 3.00                     | 1.98  | Nicarbazin: Guar., 0.010%; found, 0.0110%. Dienestrol diacetate: Guar., 0.0023%; found, 0.0023%. Chlortetracycline hydrochloride: Guar., 100 gm/ton; not determined. |
| 4.50                     | 5.23        | 3.00                     | 2.36  | Nicarbazin: Guar., 0.010%; found, 0.0098%. Dienestrol diacetate: Guar., 0.0070%; found, 0.0069%.                                                                     |
| 4.50                     | 5.19        | 3.00                     | 2.25  | Nicarbazin: Guar., 0.010%; found, 0.0112%. Dienestrol diacetate: Guar., 0.0023%; found, 0.0022%.                                                                     |
| 7.00                     | 7.50        | 2.50                     | 2.83  | Nicarbazin: Guar., 0.010%; found, 0.0106%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.005%.                                                        |
| 6.00                     | 6.78        | 2.50                     | 2.86  | Nicarbazin: Guar., 0.010%; found, 0.0114%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0043%.                                                       |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                      | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|-------------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                             |           | Guaran-teed not less than | Found |
| 1544        | Nibco Five Star Weight Maker<br>(Pellets)                   | 10.30     | 22.00                     | 22.00 |
| 1727        | Nibco Five Star Weight Maker<br>(Pellets)                   | 10.74     | 22.00                     | 22.00 |
| 0370        | Nibco High Energy Layer                                     | 10.48     | 16.00                     | 14.50 |
| 1085        | Nibco Medicated Booster Feed                                | 10.84     | 20.00                     | 20.00 |
| 1545        | Nibco Pullet Builder                                        | 10.82     | 15.50                     | 14.25 |
| 1113        | Nibco Pullet Starter                                        | 11.41     | 20.00                     | 20.50 |
| 1728        | Nibco Special Five Star Lo Color                            | 11.29     | 18.00                     | 19.00 |
|             | BLATCHFORD CALF MEAL CO.,<br>Waukegan, Ill.                 |           |                           |       |
| 1415        | Blatchford's Calf Meal                                      | 9.00      | 24.00                     | 25.50 |
|             | BLOOMFIELD FARMERS'<br>EXCHANGE, INC.,<br>Bloomfield, Conn. |           |                           |       |
| 8673        | Bloomfield 16% Dairy Ration                                 | 6.79      | 16.00                     | 18.00 |
| 0420        | Bloomfield 16% Dairy Ration                                 | 10.96     | 16.00                     | 17.75 |
| 0423        | Bloomfield 16% Dairy Ration                                 | 12.15     | 16.00                     | 17.25 |
|             | BROOKLAWN GRAIN & FEED<br>CO., Bridgeport, Conn.            |           |                           |       |
| 0903        | Brooklawn Dairy Ration                                      | 10.16     | 16.00                     | 20.00 |
| 0902        | Brooklawn High Energy Layer                                 | 10.00     | 18.00                     | 18.25 |
|             | BROWN-FORMAN DISTILLERS<br>CORP., Louisville, Ky.           |           |                           |       |
| 0474        | Brown-Forman Distillers Dried<br>Grains                     | 7.85      | 23.00                     | 25.00 |
| 1012        | Brown-Forman Distillers Dried<br>Solubles                   | 7.41      | 24.00                     | 28.00 |
|             | BRUNETTO-ECONOMOV CHEESE<br>CORP., Hinesburg, Vt.           |           |                           |       |
| 0362        | Dried Whole Whey                                            | 5.39      | 11.00                     | 12.50 |

~~~ Indicates deficiencies.

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| Guaran-
teed not
less
than | Fat | | Fiber | | Medicants |
|-------------------------------------|-------------------------------------|-------|-------------------------------------|---|-----------|
| | Guaran-
teed not
more
than | Found | Guaran-
teed not
more
than | Found | |
| 6.00 | 8.06 | 2.50 | 2.07 | | |
| 6.00 | 6.77 | 2.50 | 1.78 | Nicarbazin: Guar., 0.01%;
found, 0.0114%. 3-Nitro-4
hydroxyphenylarsonic acid:
Guar., 0.005%; found, 0.005%. | |
| 3.00 | 5.13 | 4.00 | 2.70 | | |
| 3.00 | 6.06 | 4.50 | 2.68 | Chlortetracycline hydrochloride | |
| 3.00 | 3.66 | 6.00 | 4.22 | Guar., 0.1 gm/lb.; not detd. | |
| 3.00 | 5.26 | 4.00 | 2.86 | Sulfaquinoxaline: Guar.,
0.0150%; found, 0.0158%. | |
| 4.50 | 5.00 | 3.50 | 1.83 | Nicarbazin: Guar., 0.010%;
found, 0.0102%. | |
| 2.00 | 3.10 | 5.00 | 4.77 | | |
| 3.50 | 3.23 | 8.00 | 9.94 | | |
| 3.50 | 3.93 | 8.00 | 6.85 | | |
| 3.50 | 3.74 | 8.00 | 6.44 | | |
| 3.00 | 4.00 | 8.50 | 6.80 | | |
| 4.00 | 4.12 | 5.00 | 5.07 | | |
| 7.00 | 6.54 | 15.00 | 15.25 | | |
| 8.00 | 7.82 | 4.00 | 4.22 | | |
| .... | .... | 0.50 | 0.15 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|--------------|--|--------------|---------------------------|--------------|
| | | | Guaran-teed not less than | Found |
| 0360 | CALVERT MILLING CO., Hoytville, Ohio
17% Dehydrated Alfalfa Meal | 7.46 | 17.00 | 18.75 |
| 0452 | CAMDEN GRAIN CO., Camden, N. J.
Camden Brand Brewer's Dried Grains | 10.34 | 24.00 | 25.50 |
| 0864 | CAMP MILLING CO., INC., Walton, N. Y.
Camp's Milk Replacer | 4.37 | 21.00 | 21.75 |
| 0976
1645 | CANADA & DOMINION SUGAR CO., LTD., Chatham, Ont., Canada
"Dominion" Dried Beet Pulp
Dominion Dried Beet Pulp & Beet Molasses | 7.76
9.22 | 7.00
7.00 | 9.25
7.25 |
| 0870 | THE CANADA LINSEED OIL MILLS, LTD., Montreal, Quebec, Canada
Maple Leaf 34% Protein Expeller Linseed Oil Meal Grits | 9.05 | 34.00 | 35.00 |
| 0209 | CARGILL, INC., Minneapolis 15, Minn.
Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal | 11.31 | 44.00 | 45.25 |
| 1543 | CENTRAL ALFALFA, INC., Lexington, Neb.
The Miracle Mix Dehydrated Alfalfa Meal | 6.89 | 20.00 | 19.75 |
| 1087 | CENTRAL CONN. CO-OP FARMERS' ASSN., INC., Manchester, Conn.
Honest Brand Aureomycin Mix Medicated | 11.21 | 18.00 | 19.50 |

~~~~~ Indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants                                                           |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                     |
| 1.50                     | 3.44  | 27.00                    | 24.70 |                                                                     |
| 4.00                     | 4.40  | 17.00                    | 14.63 |                                                                     |
| 8.50                     | 8.75  | 0.50                     | 0.31  |                                                                     |
| 0.30                     | 0.43  | 22.50                    | 19.41 |                                                                     |
| 0.30                     | 0.64  | 20.00                    | 15.08 |                                                                     |
| 4.00                     | 3.03  | 9.00                     | 2.79  |                                                                     |
| 0.50                     | 0.68  | 7.00                     | 4.96  |                                                                     |
| 1.50                     | 3.06  | 22.00                    | 22.21 |                                                                     |
| 4.00                     | 4.44  | 4.00                     | 4.11  | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                          | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|---------------------------------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                                                 |           | Guaran-teed not less than | Found |
| 0615        | Honest Brand Complete Breeder Mash                                              | 10.57     | 16.00                     | 16.75 |
| 0094        | Honest Brand Complete Ration High Energy Growing Mash                           | 12.41     | 15.00                     | 15.75 |
| 0093        | Honest Brand Complete Ration High Energy Growing Mash Medicated                 | 12.37     | 15.00                     | 15.75 |
| 1124        | Honest Brand Complete Ration High Energy Growing Mash SQ Mixture                | 10.69     | 15.00                     | 15.00 |
| 1097        | Honest Brand Complete Ration High Energy Growing Mash with Triple Mix Medicated | 11.00     | 15.00                     | 15.75 |
| 0092        | Honest Brand Complete Ration High Energy Laying Mash                            | 11.69     | 15.00                     | 15.50 |
| 1251        | Honest Brand Complete Ration High Energy Laying Mash                            | 9.97      | 15.00                     | 15.50 |
| 0959        | Honest Brand Nu Weigh Hi Broiler Finisher Mash                                  | 10.77     | 20.00                     | 20.50 |
| 0958        | Honest Brand Nu Weigh Hi Broiler Finisher Mash (Pellets)                        | 10.47     | 18.00                     | 19.00 |
| 1852        | Honest Brand Nu Weigh-Hi Broiler Mash Medicated                                 | 10.16     | 22.00                     | 24.00 |
| 1112        | Honest Brand Nu Weigh-Hi Starter Mash Medicated                                 | 12.62     | 20.00                     | 20.75 |
|             | CENTRAL SOYA, McMillen Feed Div., Fort Wayne, Ind.                              |           |                           |       |
| 0472        | Forty-Four 44% Solvent Extracted Soybean Meal                                   | 11.33     | 44.00                     | 43.00 |
| 0960        | Master Mix 18% All Mash Turkey Grower 421                                       | 11.50     | 18.00                     | 19.00 |
| 0475        | Master Mix Broiler Finisher Concentrate 375C                                    | 8.96      | 41.00                     | 41.00 |
| 1011        | Master Mix Broiler Finisher Concentrate 375C                                    | 9.01      | 41.00                     | 41.25 |
| 1853        | Master Mix Broiler Finisher 324-18C Medicated                                   | 10.00     | 20.00                     | 20.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|--------------|--------------------------|-------------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.43 | 4.00 | 3.77 | |
| 3.00 | 5.15 | 4.00 | 3.63 | |
| 4.00 | 5.03 | 4.00 | 3.78 | Hygromycin B.: Guar., 0.006 gm/lb.; not determined. |
| 3.00 | 4.83 | 4.00 | 3.53 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0150%. |
| 3.00 | 4.49 | 4.00 | 4.29 | Streptomycin: Guar., Min. 75 gm.; not determined. Penicillin: Guar., 15 gm.; not determined. |
| 4.00 | 4.89 | 4.00 | 3.35 | |
| 4.00 | 4.48 | 4.00 | 3.94 | Furazolidone: Guar., 0.011%; found, 0.0099%. |
| 6.00 | 5. <u>39</u> | 3.00 | 2.77 | |
| 2.00 | 5.69 | 6.50 | 3.18 | |
| 5.50 | 6.42 | 4.00 | 2.78 | Amprolium: Guar., 0.0125%; found, 0.0144%. |
| 4.00 | 4.18 | 4.00 | 3.77 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0132%. |
| 0.50 | 0.62 | 7.00 | <u>8.57</u> | |
| 3.50 | 3.83 | 5.00 | 4.21 | |
| 10.00 | 11.20 | 5.00 | 4.55 | |
| 10.00 | 9.81 | 5.00 | 4.48 | |
| 7.50 | 7.84 | 4.00 | 2.44 | Amprolium: Guar., 0.0125%; found, 0.0134%. Ethopabate: Guar., 0.0004%; found, 0.00043% |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0196 | Master Mix Broiler Starter Concentrate 351 | 9.57 | 42.50 | 42.50 |
| 1088 | Master Mix Calflac Medicated | 4.56 | 20.00 | 20.25 |
| 1558 | Master Mix Chick Concentrate 153-04G Medicated | 10.12 | 38.00 | 37.75 |
| 1252 | Master Mix Complete Rabbit Pellets 961-84E Medicated | 9.91 | 15.00 | 16.00 |
| 0961 | Master Mix Complete Turkey Finisher 445 | 11.09 | 15.00 | 16.00 |
| 0473 | Master Mix Dairy Developer Concentrate 651 | 10.98 | 24.00 | 24.00 |
| 0621 | Master Mix Egglac Pellets 223 | 10.11 | 20.00 | 21.75 |
| 0989 | Master Mix Egg Mash (Pellets) 211 | 9.81 | 20.00 | 21.25 |
| 0478 | Master Mix H. C. Breeder Concentrate 087 | 10.05 | 42.00 | 42.75 |
| 0992 | Master Mix Hog Finisher Concentrate 889 | 9.06 | 40.00 | 40.50 |
| 1090 | Master Mix Hog Finisher Concentrate 889 | 9.50 | 40.00 | 40.75 |
| 0616 | Master Mix Horse Feed 967 | 12.11 | 10.00 | 11.50 |
| 0622 | Master Mix HQ 20% Dairy 633 Pellets | 10.88 | 20.00 | 20.00 |
| 0199 | Master Mix HQ Master Blend Concentrate 667 | 10.87 | 38.00 | 38.25 |
| 1089 | Master Mix Medicated Cattle Vita-Bio 50-350 Pellets (718-03K) Medicated | 9.59 | 12.00 | 13.50 |
| 0476 | Master Mix Pullet Concentrate 163 | 9.34 | 36.00 | 36.75 |
| 1562 | Master Mix Pullet Concentrate 163-04H Medicated | 8.31 | 36.00 | 37.00 |
| 0988 | Master Mix Sweet Bulk 'N Flakes | 9.85 | 10.00 | 11.00 |
| 0968 | Thrifty-Fifty 50% Solvent Extracted Soybean Meal | 10.46 | 50.00 | 48.50 |

Indicates deficiencies.

Analyses

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INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 8.50 | 10.51 | 5.00 | 4.07 | |
| 11.50 | 10.58 | 0.50 | 0.52 | Chlortetracycline hydrochloride: Guar., 50 gm/ton; not determined. Oxytetracycline hydrochloride: Guar., 50 gm/ton; not determined. |
| 4.00 | 5.58 | 7.00 | 7.10 | Zoalene: Guar., 0.0313%; found, 0.0312%. |
| 2.00 | 3.65 | 16.00 | 10.46 | Furazolidone: Guar., 0.0055%; found, 0.0055%. Sulfaquinoxaline: Guar., 0.0125%; found, 0.0110%. |
| 3.50 | 4.00 | 4.50 | 3.21 | |
| 1.00 | 1.30 | 12.00 | 11.40 | |
| 3.50 | 4.20 | 5.00 | 4.80 | |
| 2.50 | 3.90 | 7.00 | 5.67 | |
| 5.00 | 6.26 | 5.00 | 3.80 | |
| 1.50 | 3.53 | 6.00 | 4.57 | |
| 1.50 | 3.53 | 6.00 | 5.18 | Streptomycin: Guar., 37.5 gm/ton; not determined. Penicillin: Guar., 7.5 gms/ton; not determined. |
| 3.00 | <u>2.70</u> | 9.00 | 6.74 | |
| 3.00 | 3.03 | 5.00 | 4.43 | |
| 0.50 | 1.82 | 5.00 | 3.56 | |
| 2.50 | 2.95 | 13.00 | 10.96 | Chlortetracycline hydrochloride: Guar., 0.175 gm/lb.; not determined. |
| 2.50 | 4.58 | 8.00 | 8.28 | |
| 2.50 | 4.37 | 8.00 | 7.35 | Zoalene: Guar., 0.0335%; found, 0.0357%. |
| 1.00 | 1.52 | 20.00 | 20.41 | |
| 0.50 | 0.98 | 3.00 | 3.29 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|----------------------|--|----------------------|---------------------------|-------------------------|
| | | | Guaran-teed not less than | Found |
| 0896 | S. J. CHERRY & SONS, LTD.,
Preston, Ontario, Canada | 10.64 | 13.50 | 16.50 |
| | S. J. Cherry Wheat Bran | | | |
| 0626 | CITRUS FEED CO., Lakeland,
Fla. | 9.23 | 6.00 | 6.50 |
| | Citrus Crest All Sweet Dried
Citrus Pulp | | | |
| 1013 | CLINTON CORN PROCESSING
CO., Clinton, Iowa | 8.19 | 25.00 | 24.25 |
| | Clinton CFS Concentrate No. 1 | | | |
| 0944
0945
0943 | CONN. BI-PRODUCTS, INC.,
Columbia, Conn. | 6.37
6.56
3.98 | 85.00
50.00
60.00 | 88.00
46.00
63.50 |
| | Hydrolyzed Poultry Feathers | | | |
| | Meat & Bone Meal | | | |
| 0963
0416
0480 | Poultry By-Product Meal |
6.89
7.72 | 10.00
48.00
50.00 | 12.75
48.25
50.00 |
| | CONSOLIDATED RENDERING
CO., Boston 10, Mass. | | | |
| | Corenco Feeding Bone Meal | | | |
| 0221
0224 | Corenco 48% Meat & Bone Scrap | 14.14
12.16 | | 8.50
10.50 |
| | Corenco 50% Meat & Bone Scrap | | | |
| 0453 | COOPERATIVE GRANGE LEAGUE
FEDERATION EXCHANGE,
INC., Ithaca, N. Y. | 9.66 | 21.00 | 24.25 |
| | Bloomfield Hominy Mix | | | |
| 0402 | Hominy | 10.02 | 16.00 | 16.00 |
| | CORN PRODUCTS CO.,
New York 22, N. Y. | | | |
| 0453 | Buffalo Brand 21% Corn Gluten
Feed | 9.66 | 21.00 | 24.25 |
| | CROMPTON GRAIN CO., INC.,
West Warwick, R. I. | | | |
| 0402 | Our Best All Mash Layer | 10.02 | 16.00 | 16.00 |

Indicates deficiencies.

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| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|--------------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 4.64 | 11.50 | 10.16 | |
| 2.00 | 3.01 | 12.00 | 11.21 | |
| 2.00 | 2.27 | 8.00 | <u>9.49</u> | |
| 0.50 | 5.34 | 1.50 | 0.56 | |
| 8.00 | 10.63 | 3.00 | 0.81 | |
| 10.00 | 13.49 | 3.00 | 1.37 | |
| ..... | ..... | 2.00 | 0.20 | |
| 6.00 | 7.39 | 2.00 | 1.57 | |
| 6.00 | 8.13 | ..... | ..... |  |
| ..... | 4.47 | ..... | 2.98 | |
| ..... | 5.43 | ..... | 4.14 | |
| 1.00 | 1.16 | 10.00 | <u>12.33</u> | |
| 3.00 | 4.50 | 5.00 | 2.92 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|--------|
| | | | Guaran-teed not less than | Found |
| | DAWNWOOD FARMS,
Amenia, N. Y. | | | |
| 0425 | Dawnwood Farms Caf-Star | 6.85 | 25.00 | 25.25 |
| | DELAWARE MILLING CO., INC.,
Deposit, N. Y. | | | |
| 1912 | Chick Starter Mash Medicated | 11.15 | 20.00 | 21.00 |
| 0332 | Delaware Middlesex All-Mash
Layer | 10.57 | 16.00 | 16.00 |
| 1631 | Delaware Rabbit Pellets | 9.81 | 16.00 | 16.00 |
| 0851 | Delaware Scratch Grains | 12.29 | 9.00 | 9.00 |
| 0331 | Eastern Conn. Grain Associates
Growing Mash | 11.41 | 15.00 | 16.50 |
| 1911 | Eastern Conn. Grain Associates
Growing Mash Medicated | 11.59 | 15.00 | 16.75 |
| | DERBY FEED STORE,
Derby, Conn. | | | |
| 0449 | Litsky's Hi Energy All Mash
Grower | 12.22 | 16.00 | 17.25 |
| 0200 | Litsky's Hi Energy All Mash
Layer | 11.56 | 16.00 | 16.25 |
| 0448 | Litsky's Hi Energy Layer | 12.41 | 20.00 | 21.75 |
| 1116 | Litsky's Hi Energy Starter-
Broiler | 10.85 | 20.00 | 22.50 |
| | DOMINION MALTING (ONTARIO)
LTD., Toronto, Canada | | | |
| 0914 | Brewer's Dried Grains | 8.19 | 22.00 | 22.50 |
| 0904 | 22% Canadian Brewers Grains | 7.76 | 22.00 | 25.50 |
| | DOW BREWERY LTD.,
Montreal, Quebec, Canada | | | |
| 0795 | Brewer's Dried Grains | 8.71 | 24.00 | 24.00 |
| | E. I. du PONT de NEMOURS &
CO., Wilmington, Del. | | | |
| 0101 | Du Pont Two-Sixty-Two Feed
Compound | 1.62 | 262.00 | 264.00 |

Analyses

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INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|----------------------|--------------------------|-----------------------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 6.00 | 7.10 | 1.50 | 0.64 | |
| 3.00 | 3.34 | 4.50 | 3.98 | Nitrophenide: Guar., 0.02%; found, 0.0161%. |
| 4.00
2.50
2.00 | 4.76
2.97
2.48 | 4.00
17.00
5.00 | 3.88
11.70
2.15 | |
| 3.00 | 3.03 | 4.50 | 4.38 | |
| 3.00 | 3.19 | 4.50 | 4.03 | Nitrophenide: Guar., 0.02%; found, 0.0168%. |
| 3.50 | 3.94 | 4.00 | 4.16 | |
| 3.50
3.25 | 3.85
3.94 | 4.00
4.50 | 4.64
4.58 | |
| 3.50 | 3.99 | 4.00 | 4.16 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0172%. |
| 6.00
.... | 6.44
7.08 | 20.00
..... | 15.28
15.28 | |
| 7.00 | 5.52 | 15.00 | 13.38 | |
| .... | .... | 0.50 | 0.33 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| | EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass. | | | |
| 0429 | Alfafels 15% Protein Dehydrated Pelleted Alfalfa Meal | 8.40 | 15.00 | 15.50 |
| 1736 | Broiler Finisher Medicated (Pellets) | 9.66 | 22.00 | 23.00 |
| 1840 | Broiler Starter Medicated | 9.98 | 24.00 | 24.25 |
| 0426 | Calf Starter | 11.03 | 18.00 | 18.00 |
| 1136 | Cashmaker Medicated | 10.91 | 16.00 | 17.00 |
| 0653 | Champion | 11.81 | 14.00 | 14.75 |
| 0428 | Class Leader | 11.50 | 14.00 | 14.50 |
| 1724 | Eastern States Dienestrol (102) Diacetate Mixture Lipamone Roaster 1/2-Medicated | 10.34 | 16.00 | 17.75 |
| 0844 | Fulpail | 10.34 | 20.00 | 20.00 |
| 1138 | Gro-Bits Medicated | 10.65 | 15.00 | 16.50 |
| 1841 | Gro-Bits-WM Medicated | 10.65 | 15.00 | 16.50 |
| 1135 | Lay-Bits Medicated | 10.19 | 16.00 | 18.00 |
| 1240 | Matchmaker Medicated | 10.81 | 22.00 | 23.25 |
| 1253 | Medicated Defender | 10.71 | 16.00 | 16.75 |
| 1914 | Medicated-Lacto-Life | 10.37 | 16.00 | 16.50 |
| 1095 | Medicated-Minuteman | 10.83 | 24.00 | 28.50 |
| 1094 | Medicated-Sentinel | 10.57 | 16.00 | 16.25 |
| 1282 | Medicated-Turkey Starter F | 10.52 | 28.00 | 29.50 |
| 0845 | Milkerpels 14 | 10.98 | 14.00 | 17.25 |
| 0350 | Milkerpels 16 | 10.67 | 16.00 | 16.50 |
| 8671 | Milkerpels 16 | 7.31 | 16.00 | 18.50 |

INSPECTION OF 1963

| Guaran-
teed not
less
than | Fat | | Fiber | | Medicants |
|-------------------------------------|-------------------------------------|-------|-------------------------------------|--|-----------|
| | Guaran-
teed not
more
than | Found | Guaran-
teed not
more
than | Found | |
| 1.50 | 2.44 | 30.00 | 27.77 | | |
| 8.00 | 8.10 | 4.00 | 2.45 | Amprolium: Guar., 0.0125%; found, 0.0109%. Ethopabate: Guar., 0.00040%; found, 0.00044%. | |
| 5.00 | 6.18 | 4.00 | 2.83 | Amprolium: Guar., 0.0125%; found, 0.0111%. Ethopabate: 0.0004%; found, 0.00037%. | |
| 4.00 | 4.38 | 6.00 | 4.77 | | |
| 4.00 | 4.25 | 3.50 | 3.07 | Arsanilic acid: Guar., 0.0099%; found, 0.0091%. | |
| 2.50 | 3.29 | 7.00 | 6.43 | | |
| 3.00 | 4.04 | 8.00 | 5.94 | Dienestrol Diacetate: Guar., 0.0035%; not determined. | |
| 3.50 | 3.96 | 4.00 | 2.49 | Sulfaquinoxaline: Guar., 0.0125%; found, 0.0103%. | |
| 3.00 | 3.50 | 8.00 | 6.21 | | |
| 3.00 | 4.09 | 5.00 | 4.26 | Arsanilic acid: Guar., 0.0099%; found, 0.0098%. | |
| 3.00 | 3.01 | 5.00 | 3.55 | Amprolium: Guar., 0.004%; found, 0.0045%. | |
| 3.50 | 4.23 | 4.00 | 3.11 | Arsanilic acid: Guar., 0.0099%; found, 0.0085%. | |
| 4.00 | 4.46 | 4.00 | 3.41 | Arsanilic acid: Guar., 0.0132%; found, 0.0130%. | |
| 3.50 | 3.79 | 4.50 | 4.15 | Furazolidone: Guar., 0.022%; found, 0.0189%. | |
| 3.00 | 3.29 | 6.50 | 5.63 | | |
| 5.00 | 5.94 | 3.50 | 3.13 | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. | |
| 3.50 | 4.86 | 4.50 | 4.53 | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. | |
| 3.00 | 4.00 | 3.50 | 3.66 | Furazolidone: Guar., 0.011%; found, 0.0104%. | |
| 3.50 | 3.83 | 8.00 | 7.32 | | |
| 3.50 | 3.93 | 8.00 | 7.12 | | |
| 3.50 | 4.93 | 8.00 | 7.19 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0796 | Milkerpels 20 | 9.87 | 20.00 | 20.00 |
| 0348 | Milkmore | 11.45 | 16.00 | 16.25 |
| 0656 | Milksaver | 7.06 | 24.00 | 24.75 |
| 1844 | Pacemaker Medicated | 9.83 | 20.00 | 20.50 |
| 1241 | Pel-Lay Medicated | 10.16 | 16.00 | 17.00 |
| 1134 | Pel-22 | 9.91 | 22.00 | 24.00 |
| 0412 | Pork Builder | 11.51 | 14.00 | 14.75 |
| 1137 | Pork Gainer Medicated | 10.31 | 16.00 | 16.00 |
| 0655 | Porkmix | 9.00 | 40.00 | 41.13 |
| 1131 | Pork Primer Medicated | 9.59 | 18.00 | 18.75 |
| 1283 | Protek F Medicated | 10.19 | 16.00 | 16.50 |
| 1247 | Rabbettes Medicated | 9.96 | 15.00 | 15.25 |
| 1850 | Roaster Finisher Medicated | 10.46 | 16.00 | 17.50 |
| 0843 | Supmix | 9.30 | 36.00 | 37.75 |
| 0096 | Sweepstakes | 12.71 | 16.00 | 17.25 |
| 0411 | Tastibulk | 11.91 | 9.50 | 11.00 |
| 0095 | Turkey Breeder | 11.50 | 16.00 | 16.50 |
| 0654 | Turkey Finisher (Pellets) | 10.36 | 16.00 | 18.00 |
| 0345 | Turkey Grower (Pellets) | 10.16 | 20.00 | 21.50 |
| 1571 | Turkey Grower-C Medicated | 10.94 | 20.00 | 20.75 |
| | ELMORE MILLING CO., INC.,
Oneonta, N. Y. | | | |
| 0399 | Elmore Bulky Base | 11.79 | 10.00 | 12.00 |
| 0933 | Elmore Calf Grain Ration | 11.67 | 13.00 | 14.50 |
| 1114 | Elmore Chixsaver Medicated (1S) | 10.51 | 20.00 | 19.25 |
| 1009 | Elmore Complete Calf Milk
Replacer | 8.91 | 25.00 | 26.00 |
| ~~~ | Indicates deficiencies. | | | |

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 4.35 | 8.00 | 6.88 | |
| 3.00 | 3.65 | 8.50 | 6.37 | |
| 5.00 | 5.00 | 1.50 | 0.58 | |
| 4.00 | 3.89 | 4.00 | 2.99 | Amprolium: Guar., 0.004%; found, 0.0047%. |
| 3.50 | 4.01 | 4.50 | 3.28 | Arsanilic acid: Guar., 0.0099%; found, 0.0082%. |
| 2.50 | 3.95 | 4.50 | 4.38 | Arsanilic acid: Guar., 0.0132%; found, 0.0115%. |
| 3.00 | 3.89 | 3.50 | 2.78 | |
| 4.50 | 5.63 | 3.50 | 2.84 | Arsanilic acid: Guar., 0.0099%; found, 0.0092%.
Hygromycin B.: Guar., 0.006 gm/lb.; not determined. |
| 1.50 | 2.69 | 5.50 | 4.26 | |
| 8.00 | 9.81 | 2.50 | 1.81 | Arsanilic acid: Guar., 0.0099%; found, 0.0106%. |
| 3.50 | 3.78 | 4.00 | 3.79 | Arsanilic acid: Guar., 0.0099%; found, 0.0095%.
Furazolidone: Guar., 0.00275%; found, 0.00275%. |
| 2.50 | 3.13 | 15.00 | 13.52 | Furazolidone: Guar., 0.0055%; found, 0.0061%. |
| 3.50 | 4.04 | 4.00 | 2.70 | Amprolium: Guar., 0.0125%; found, 0.0145%. Ethopabate: Guar., 0.0004%; found, 0.00038%. |
| 1.50 | 2.12 | 7.50 | 7.19 | |
| 3.00 | 3.54 | 8.50 | 5.74 | |
| 2.50 | 2.86 | 10.50 | 7.38 | |
| 3.00 | 4.24 | 4.00 | 3.73 | |
| 3.50 | 3.83 | 4.00 | 2.78 | |
| 3.50 | 4.32 | 4.50 | 3.13 | |
| 3.50 | 3.75 | 4.50 | 3.76 | P-Ureidobenzeneearsonic acid: Guar., 0.0375%; found, 0.0416%. |
| 2.50 | 3.24 | 14.00 | 11.06 | |
| 3.50 | 3.48 | 8.00 | 5.90 | |
| 3.00 | 3.66 | 5.00 | 3.67 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0131%. |
| 4.00 | 4.98 | 2.00 | 1.82 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0941 | Elmore Complete Growing Ration | 10.76 | 16.00 | 19.50 |
| 1115 | Elmore Complete Growing Ration Medicated (1S) | 11.06 | 16.00 | 16.25 |
| 0935 | Elmore Complete Laying Mash | 10.20 | 16.00 | 17.50 |
| 0939 | Elmore Complete Market Egg Mash | 10.57 | 16.00 | 17.00 |
| 0934 | Elmore Complete Rabbit Ration | 9.76 | 16.00 | 18.50 |
| 1733 | Elmore Complete Turkey Growing Mash Medicated (1H) | 10.51 | 17.00 | 18.50 |
| 0936 | Elmore Dry & Freshening Ration | 11.32 | 12.00 | 14.00 |
| 0785 | Elmore Duck Grower Pellets | 10.12 | 16.00 | 17.25 |
| 0937 | Elmore Egg Mash (Pellets) | 10.39 | 20.00 | 20.00 |
| 0786 | Elmore Fitting Ration 14% | 10.62 | 14.00 | 17.00 |
| 0940 | Elmore Flaked Pelleted Calf Starter | 11.06 | 18.00 | 22.25 |
| 0787 | Elmore Game Bird Breeder Mash | 10.71 | 20.00 | 19.50 |
| 0998 | Elmore Game Bird Grower | 10.37 | 20.00 | 20.00 |
| 1125 | Elmore Game Bird Grower (1S) Medicated | 10.25 | 20.00 | 20.00 |
| 1126 | Elmore Game Bird Starter (1S) Medicated | 9.96 | 28.00 | 28.13 |
| 0997 | Elmore Grand Champion | 11.27 | 15.00 | 15.25 |
| 0401 | Elmore Horse Feed | 12.91 | 9.00 | 9.25 |
| 0398 | Elmore Makem-Grow Little Pig Ration (Pellets) | 10.09 | 18.00 | 15.25 |
| 0403 | Elmore Maximilk Ration 16% | 10.02 | 16.00 | 16.75 |
| 1284 | Elmore Medicated Mash NF-180 | 11.24 | 16.00 | 17.50 |
| 0774 | Elmore Milk Grains "Sixteen" | 11.27 | 16.00 | 17.00 |
| 0927 | Elmore Milk Grains "Twenty" | 10.37 | 20.00 | 21.75 |
| 0926 | Elmore Pacemaker Dairy Ration 16% | 10.74 | 16.00 | 19.00 |
| 0784 | Elmore Pacemaker Dairy Ration 18% | 9.90 | 18.00 | 21.25 |
| 0783 | Elmore Test Ration 16% | 10.29 | 16.00 | 18.50 |
| 0932 | Elmore Test Ration 18% | 10.54 | 18.00 | 18.00 |
| 0938 | Elmore Turkey Finisher (Fattener) | 9.70 | 15.00 | 16.50 |

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Indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.64	6.00	4.93	
3.00	4.04	6.00	4.73	Sulfaquinoxaline: Guar., 0.0150%; found, 0.0138%.
3.00	3.21	6.00	4.54	
3.00	4.64	5.00	3.65	
2.50	3.89	10.00	9.64	
3.00	3.04	6.00	3.98	4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0214%.
3.50	3.50	8.00	6.95	
4.00	4.83	6.00	5.25	
3.50	3.68	6.00	4.41	
3.50	4.74	8.50	6.74	
2.50	4.79	8.00	5.64	
3.50	3.20	6.00	4.13	
3.00	3.54	10.00	6.05	
3.00	4.15	10.00	4.82	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0155%.
3.00	4.14	5.00	6.45	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0138%.
3.50	3.04	8.00	6.60	
3.00	3.85	12.00	4.99	
3.50	3.29	8.00	4.31	
3.50	3.73	9.00	6.80	
3.00	2.89	6.00	4.10	Furazolidone: Guar., 0.022%; found, 0.0123%.
3.50	3.96	8.00	6.41	
3.50	3.53	9.00	6.90	
3.00	3.70	10.50	7.23	
3.00	3.59	10.00	6.43	
4.00	4.31	8.00	7.22	
4.00	4.60	8.00	7.38	
3.00	3.59	5.00	4.17	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
	JOHN W. ESHELMAN & SONS, Lancaster, Pa.			
1554	Dehulled Solvent Extracted Soy-bean Meal	9.91	50.00	50.00
1696	Egg Maker 228	9.90	16.00	18.75
0686	Lancaster 16 Dairy Feed 542	9.95	16.00	18.00
1693	Lancaster 20 Dairy Feed 541	10.24	20.00	21.50
0396	Lancaster Horse Pellets	9.91	11.00	11.50
0397	Lancaster Scratch Grain 12	12.16	9.00	9.00
0683	Pennsy Complete Laying Ration 220	10.38	16.00	16.25
0877	Pennsy 16 Dairy Feed 520	9.50	16.00	16.25
1694	Red Rose Calf Starter	10.99	18.00	19.75
0892	Red Rose Chick Grains 18	11.82	9.00	9.50
0922	Red Rose Complete Game Bird Grower 417	10.36	20.00	20.75
0925	Red Rose Complete Growing Ration 113	10.32	16.00	18.25
0393	Red Rose Complete Laying Ration	10.04	16.00	17.50
0924	Red Rose Complete Turkey Finisher 313	9.69	16.00	19.00
0395	Red Rose Complete Turkey Grower 312 (Pellets)	10.26	20.00	21.25
0923	Red Rose 16 Dairy Feed 519	10.19	16.00	17.50
0680	Red Rose 18 Dairy Feed 517	10.81	18.00	19.25
0921	Red Rose Duck Grower & Breeder Pelleted 411	10.41	20.00	21.25
1695	Red Rose Equinader	9.77	20.00	20.25
0679	Red Rose Fitting Ration	11.32	12.00	13.75
0687	Red Rose Goat Ration	11.46	14.00	17.00
0688	Red Rose Growing Mash	10.22	20.00	20.00
0354	Red Rose Horse Feed	11.65	9.00	9.50
0228	Red Rose Intermediate Chick Grains 19	12.12	9.00	9.00
0684	Red Rose Laying Mash	9.14	20.00	20.50
1096	Red Rose Medicated T-C Feed 412	9.86	22.00	22.00
0871	Red Rose Milk Replacer	6.36	22.00	24.25
0355	Red Rose Pigeon Feed	11.54	12.00	12.75
0682	Red Rose Porkmaker 617	10.98	14.00	16.25
0893	Red Rose Rabbit Pellets	10.02	16.00	16.50
0685	Red Rose Rumenator (Dairy Booster) 538-A	9.84	16.00	18.00

~~~~ Indicates deficiencies.

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| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 0.50 | 0.73 | 3.00 | 3.17 | |
| 4.00 | 3.47 | 6.50 | 6.78 | |
| 2.50 | 2.56 | 13.50 | 14.15 | |
| 2.50 | 2.43 | 13.00 | 12.14 | |
| 2.00 | 3.04 | 18.00 | 17.57 | |
| 2.00 | 3.49 | 4.00 | 2.55 | |
| 3.00 | 3.81 | 7.00 | 6.35 | |
| 2.50 | 2.66 | 15.00 | 14.51 | |
| 4.50 | 4.43 | 8.00 | 5.73 | |
| 2.00 | 2.54 | 3.00 | 1.41 | |
| 4.00 | 4.11 | 5.50 | 4.70 | |
| 4.00 | 4.52 | 6.00 | 4.70 | |
| 4.00 | 4.37 | 5.00 | 5.27 | |
| 4.00 | 5.44 | 5.50 | 4.74 | |
| 4.00 | 4.79 | 5.50 | 5.49 | |
| 3.50 | 3.10 | 9.00 | 7.70 | |
| 3.25 | 4.44 | 9.50 | 7.32 | |
| 4.00 | 4.83 | 6.00 | 5.16 | |
| 1.50 | 2.31 | 9.00 | 8.37 | |
| 3.50 | 3.94 | 8.50 | 7.58 | |
| 3.50 | 3.26 | 8.50 | 6.91 | |
| 4.00 | 4.14 | 7.00 | 5.48 | |
| 3.00 | 3.24 | 8.00 | 3.75 | |
| 2.00 | 3.29 | 3.00 | 1.62 | |
| 4.00 | 4.23 | 5.50 | 4.31 | |
| 4.00 | 4.48 | 5.00 | 4.30 | Oxytetracycline hydrochloride:
Guar., 0.05 gm/lb.; not de-
termined. |
| 1.00 | 1.08 | 1.00 | 0.57 | |
| 3.00 | 3.37 | 4.00 | 3.49 | |
| 3.50 | 3.90 | 7.00 | 6.08 | |
| 2.50 | 4.22 | 15.50 | 12.82 | |
| 5.50 | 5.33 | 7.00 | 6.13 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|-------------------|
| | | | Guaran-teed not less than | Found |
| 0917 | Red Rose Scratch Grains 11 | 12.80 | 9.00 | 9.75 |
| 1692 | Red Rose Starter & Grower | 10.15 | 20.00 | 21.00 |
| 0878 | Red Rose 14 Test-Cow Feed | 10.59 | 14.00 | 15.50 |
| 0681 | Red Rose Turkey Starter 311 | 11.06 | 26.00 | 24. ²⁵ |
| 0920 | Red Rose Wild Bird Feed 418 | 10.76 | 10.00 | 10.25 |
| 0918 | S-O-S | 11.00 | 11.00 | 14.50 |
| | EVANS MILLING COMPANY,
INC., Indianapolis, Ind. | | | |
| 0349 | EMCO Hominy Feed | 11.91 | 10.00 | 10.00 |
| | FARM BUREAU ASSOCIATION,
Waltham, Mass. | | | |
| 0647 | Farm Bureau Advancer Dairy
16% Pellets (60) | 10.54 | 16.00 | 16.00 |
| 0650 | Farm Bureau Bran | 10.05 | 15.50 | 16.00 |
| 1843 | Farm Bureau Complete Develop-
er Mash Medicated | 9.50 | 14.00 | 14.25 |
| 1141 | Farm Bureau Complete Layer
Breeder Mash Medicated | 10.34 | 16.00 | 16.00 |
| 0648 | Farm Bureau Dairy 16% (3) | 10.90 | 16.00 | 16.50 |
| 1118 | Farm Bureau Rabbit Food Pellets
Medicated | 9.56 | 18.00 | 18.50 |
| 0649 | Farm Bureau Rabbit Food Pellets | 10.25 | 18.00 | 18.00 |
| | FARMERS FEED CO.,
Brooklyn, N. Y. | | | |
| 0419 | "Bull Brand" Brewer's Dried
Grains | 8.26 | 26.00 | 29.50 |
| . | FLORIDA CITRUS CANNERS
COOPERATIVE, Lake Wales,
Fla. | | | |
| 0421 | Lake Wales Brand Dried Citrus
Pulp | 9.40 | 6.00 | 7.00 |
| | GENERAL FOODS CORP.,
Kankakee, Ill. | | | |
| 1659 | Burt's Hominy Feed | 10.47 | 9.00 | 11.25 |
| ~~~ | Indicates deficiencies. | | | |

Analyses
INSPECTION OF 1963

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| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 2.33 | 4.00 | 1.91 | |
| 4.00 | 3.99 | 6.00 | 5.74 | |
| 4.00 | 4.09 | 7.50 | 6.33 | |
| 5.00 | 5.83 | 5.00 | 4.58 | |
| 4.00 | 6.08 | 7.50 | 7.52 | |
| 2.00 | 2.40 | 16.00 | 15.08 | |
| 5.00 | 4.79 | 7.00 | 3.26 | |
| 3.50 | 4.10 | 8.00 | 6.20 | |
| 4.10 | 5.43 | 9.90 | 10.12 | |
| 3.00 | 3.44 | 8.00 | 6.64 | Amprolium: Guar., 0.005%; found, 0.0053%. |
| 4.00 | 4.39 | 4.50 | 4.07 | Arsanilic Acid: Guar., 0.010%; found, 0.0097%. |
| 3.50 | 3.53 | 8.00 | 6.81 | |
| 2.50 | 3.33 | 18.00 | 11.11 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0128%. |
| 2.50 | 4.20 | 18.00 | 17.02 | |
| 6.00 | 7.03 | 17.00 | 12.67 | |
| 2.00 | 2.69 | 16.00 | 12.17 | |
| 5.00 | 5.64 | 6.00 | 4.45 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| | GENERAL MILLS, INC., Minneapolis, Minn. | | | |
| 0885 | General Mills, Inc., Adrian Wheat Red Dog | 10.79 | 16.00 | 18.00 |
| 0210 | General Mills, Inc., Wheat Bran with Ground Wheat Screenings | 11.49 | 15.00 | 15.75 |
| 0646 | General Mills, Inc., Wheat middlings with Ground Wheat Screenings | 11.35 | 15.00 | 16.75 |
| 0359 | Purity Oat Mill By-Product | 9.76 | 3.00 | 2.50 |
| | GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass. | | | |
| 0623 | Globpro Brand 60% Protein Fish Meal | 6.59 | 60.00 | 74.69 |
| | D. H. GRANDIN MILLING CO., Jamestown, N. Y. | | | |
| 0220 | Berlin Dairy Mix 16% | 13.36 | 16.00 | 16.50 |
| 0217 | Grandins 14 Fit-Fresh Produce | 13.26 | 14.00 | 17.25 |
| 8672 | Grandins 16 Milk Producer | 7.44 | 16.00 | 18.50 |
| 0219 | Grandins Special Formula Saddle Mate Horse Feed | 14.11 | 10.00 | 16.50 |
| 0218 | Grandins Summit Test Ration | 13.84 | 16.00 | 16.75 |
| | THE GREAT ATLANTIC & PACIFIC TEA CO., INC., Minneapolis, Minn. | | | |
| 0942 | Daily Egg Laying Mash | 9.53 | 20.00 | 20.00 |
| | GREAT STAR FLOUR MILLS, LTD., St. Marys, Ontario, Canada | | | |
| 0451 | Great Star Bran | 12.85 | 13.00 | 17.00 |
| 0450 | Great Star Shorts | 13.64 | 14.00 | 16.75 |
| | HAFFENREFFER & CO., INC., Boston 30, Mass. | | | |
| 0103 | Haffenreffer Brewers' Dried Yeast | 9.71 | 40.00 | 51.25 |

~~~~~ Indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

| Fat                      |              | Fiber                    |               | Medicants |
|--------------------------|--------------|--------------------------|---------------|-----------|
| Guaranteed not less than | Found        | Guaranteed not more than | Found         |           |
| 3.50                     | 4.70         | 4.00                     | 4.13          |           |
| 3.00                     | 4.21         | 12.00                    | 9.33          |           |
| 3.50<br>1.00             | 4.27<br>1.22 | 9.50<br>32.00            | 7.33<br>31.01 |           |
| 8.00                     | 9.10         | 1.00                     | 0.27          |           |
| 3.50                     | 3.92         | 9.00                     | 7.83          |           |
| 3.50                     | 3.07         | 8.00                     | 7.26          |           |
| 3.50                     | <u>2.33</u>  | 9.00                     | 8.45          |           |
| 3.00                     | 3.54         | 9.00                     | 7.34          |           |
| 3.50                     | 4.72         | 8.00                     | 7.21          |           |
| 3.00                     | 3.95         | 7.50                     | 7.08          |           |
| 3.50<br>5.00             | 4.57<br>5.04 | 11.00<br>8.00            | 9.45<br>8.67  |           |
| 0.50                     | 1.14         | 5.50                     | 4.21          |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                      | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|---------------------------------------------|-----------|---------------------------|-------|
|             |                                             |           | Guaran-teed not less than | Found |
|             | HALES & HUNTER CO., Chicago, Ill.           |           |                           |       |
| 0374        | Pioneer Calf Starter                        | 11.74     | 18.00                     | 18.00 |
| 0372        | Pioneer Dry & Freshening                    | 10.88     | 12.00                     | 13.50 |
| 0335        | Pioneer 14 High Energy Dairy                | 11.50     | 14.00                     | 15.25 |
| 1246        | Pioneer Hog Developer Medicated Pellets     | 11.16     | 14.00                     | 13.00 |
| 0333        | Pioneer Hog Finisher                        | 10.35     | 12.00                     | 15.25 |
| 1546        | Pioneer Horse Feed                          | 11.00     | 12.00                     | 13.75 |
| 0899        | Pioneer Milker 16 (25700CL)                 | 10.73     | 16.00                     | 17.25 |
| 0391        | Pioneer 16 Milker Pellets (25600)           | 10.35     | 16.00                     | 16.00 |
| 0897        | Pioneer Pasturmix 12 (23600)                | 10.66     | 12.00                     | 13.00 |
| 0334        | Pioneer 16 Pelleted Flaked Dairy            | 11.94     | 16.00                     | 14.50 |
| 1248        | Pioneer Rabbit Pellets Medicated            | 9.79      | 16.00                     | 16.50 |
| 0979        | Pioneer Sup-Pel Dairy Supplement            | 9.44      | 18.00                     | 18.00 |
| 1086        | Pioneer Vig-R-Calf Medicated                | 4.36      | 21.00                     | 21.75 |
| 0336        | Pioneerway Horse Feed                       | 11.86     | 12.00                     | 12.25 |
| 0900        | Red Comb Broiler Finisher (01200)           | 10.41     | 21.00                     | 22.75 |
| 1849        | Red Comb Broiler Finisher (01206) Medicated | 10.11     | 21.00                     | 22.50 |
| 1848        | Red Comb Broiler Starter 01106 Medicated    | 11.22     | 23.00                     | 23.50 |
| 1287        | Red Comb Chick Starter Medicated 03196      | 10.89     | 20.00                     | 21.50 |
| 1548        | Red Comb Complete Grower                    | 10.65     | 15.00                     | 15.75 |
| 1289        | Red Comb Complete Grower Medicated 03296    | 11.31     | 15.00                     | 16.00 |
| 1133        | Red Comb Complete Layer 15 Medicated 05100  | 9.84      | 15.00                     | 15.50 |
| 1129        | Red Comb Complete Layer 16 Medicated        | 10.51     | 16.00                     | 17.25 |
| 1132        | Red Comb Egg Mash - CL Medicated Pellets    | 8.98      | 22.00                     | 22.00 |
| 1288        | Red Comb Growing Mash Medicated 03796       | 10.38     | 18.00                     | 18.00 |

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Indicates deficiencies.

Analyses
INSPECTION OF 1963

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Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.50	3.14	7.00	5.26	
2.50	3.84	8.00	6.79	
3.00	3.54	8.00	6.22	
3.00	3.35	4.50	2.57	Arsanilic Acid: Guar., 0.008%; found, <u>0.00%</u> .
3.00	4.99	4.00	3.05	
2.50	3.07	8.00	7.47	
2.50	3.06	10.00	8.63	
2.50	3.37	10.00	9.66	
2.50	2.53	15.00	11.81	
3.00	3.69	7.00	5.72	
2.00	3.04	15.00	11.59	Furazolidone: Guar., 0.0055%; found, 0.0050%.
3.00	3.09	8.00	6.71	
8.50	12.21	0.50	0.58	Chlortetracycline hydrochloride: Guar., 0.05 gm/lb.; not determined.
2.50	3.94	8.00	7.27	
6.00	6.16	3.50	3.30	
6.00	6.08	3.50	3.27	Amprolium: Guar., 0.0125%; found, 0.0110%.
5.00	5.03	3.50	3.91	Amprolium: Guar., 0.0125%; found, 0.0126%.
3.50	<u>3.18</u>	6.00	5.11	Zoalene: Guar., 0.0083%; found, <u>0.0114%</u> .
3.00	4.08	7.00	4.94	
3.00	3.79	7.00	4.92	Zoalene: Guar., 0.0083%; found, 0.0073%.
3.50	4.22	5.50	3.12	Arsanilic acid: Guar., 0.010%; found, 0.0098%.
3.50	4.23	5.50	3.75	Arsanilic acid: Guar., 0.01%; found, 0.0098%.
3.50	5.24	6.50	4.28	Arsanilic acid: Guar., 0.02%; found, 0.0177%.
3.50	3.85	8.00	5.77	Zoalene: Guar., 0.0166%; found, <u>0.0130%</u> .

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
1547	Red Comb Scratch Feed	11.91	9.00	10.50
0898	Red Comb Turkey Finisher 14	12.23	14.00	15.25
0392	Red Comb Turkey Finisher 17	10.45	17.00	17.25
0373	Red Combway Scratch Feed	11.36	9.00	10.50
0371	Red Comb Wheat Bran	11.15	15.00	15.00
	HAYWARD, INC., Oak Harbor, Ohio			
0468	Hayward's H Dehydrated Alfalfa Meal	8.29	17.00	18.50
	HELENA COTTON OIL CO., INC. Helena, Ark.			
0754	Helena Brand Solvent Extracted 41.0 Protein Cottonseed Meal	8.99	41.00	43.75
	HI-ACRES CONCENTRATE, INC., Orlando, Fla.			
1697	Hi-Acres All Sweet Dried Citrus Pulp	9.95	6.00	6.50
	H. P. HOOD & SONS, INC., Dunedin, Fla.			
0667	Hood Citrus Pulp	10.30	6.00	6.75
0797	Hood Milk Replacer	7.44	28.00	28.00
0964	Powdered Skim Milk	3.92	32.00	34.75
	E. C. & W. L. HOPKINS, INC., Greenfield, N. H.			
0479	P & Q (Price) (Quality) 16% Dairy Feed	10.19	16.00	16.25
	THE HUBINGER CO., Keokuk, Iowa			
1658	Ke OK uk Brand 21% Protein Corn Gluten Feed	10.12	21.00	27.00
	ILLINOIS CEREAL MILLS, INC., Paris, Ill.			
0782	Hominy Feed	10.00	10.00	10.50
0859	Hominy Feed	10.32	10.00	11.25
~~~~~	Indicates deficiencies.			

## INSPECTION OF 1963

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.00	3.50	5.00	4.66	
3.50	3.63	4.50	2.42	
3.50	3.50	5.00	4.86	
2.00	3.49	5.00	<u>6.35</u>	
3.50	3.95	10.00	9.70	
1.75	3.33	27.00	20.19	
2.00	1.86	14.00	10.78	
2.50	3.27	12.00	12.11	
2.75	2.80	15.00	10.08	
3.50	3.59	1.50	1.46	
0.50	0.54	....	....	
4.00	4.69	6.50	5.93	
1.00	1.18	10.00	6.99	
5.00	6.29	6.00	4.88	
5.00	6.73	6.00	4.87	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
	INTERNATIONAL MILLING CO., Minneapolis 2, Minn.			
0916	Blackhawk Wheat Bran with Ground Mixed Screenings	10.86	13.50	15.75
1650	Blackhawk Wheat middlings with Ground Mixed Screenings	10.91	14.00	17.00
	HERMAN ISACS, INC., Bridgeport, Conn.			
0091	Hi Test Meat & Bone Meal	6.75	50.00	51.25
	KEYSTONE DEHYDRATORS, Nazareth, Pa.			
0980	Keystone Super Green Dehydrated Alfalfa Meal with Ethoxyquin	8.50	17.00	16.25
	KRAFT FOODS, Division National Dairy Products Corp., New York, N. Y.			
0384	Kaff-A Booster Pellets	9.39	26.00	26.50
0776	Pace Feed Booster Pellets	8.41	25.00	25.75
	KRAUSE MILLING CO., Milwaukee, Wis.			
0670	Badger Yellow Hominy Feed	10.41	10.00	10.75
	KUDER PULP SALES CO., Lake Alfred, Fla.			
0427	Kuder Dried Citrus Pulp High Sugar	8.41	6.00	6.75
	LAUHOFF GRAIN CO., Danville, Ill.			
0197	Vermilion Hominy Feed	11.50	9.00	10.00
	THE LIBNER GRAIN CO., INC., Norwalk, Conn.			
0215	Libner's Blue Ribbon Horse & Calf Ration	13.15	10.50	11.00

## INSPECTION OF 1963

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.50	3.49	12.00	10.13	
3.00	3.87	9.50	8.40	
2.00	4.75	3.00	1.66	
2.00	3.18	27.00	21.21	
4.50	6.70	3.50	2.79	
5.00	5.99	3.50	3.69	
5.00	4.93	6.00	4.68	
2.50	4.51	15.00	10.58	
5.00	6.89	6.00	4.48	
3.50	4.39	7.00	7.26	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
	MACHNICKI'S GRAIN STORE, Jewett City, Conn.			
0482	Machnicki Calf Starter	12.21	15.00	16.75
0198	Machnicki Dry & Fresh	13.11	12.00	12.00
0477	Machnicki's Hi Energy All-Mash Layer	11.89	15.00	15.25
1854	Machnicki Prime Finisher Med.	11.00	14.00	16.25
	MARION MILLING CO., Marion, Ohio			
0106	Cloverleaf Wheat Middlings & Ground Wheat Screenings	12.01	14.00	16.25
	MAYFLOWER MILLS, Ft. Wayne, Ind.			
0620	Mayflower Pure Wheat Bran	11.54	14.00	15.50
0668	Mayflower Wheat Middlings with Ground Wheat Screenings	11.87	15.00	15.75
	MAXON MILLS, INC., Wassaic, N. Y.			
1079	Maxon 16% Test	12.19	16.00	17.00
	McCABE GRAIN CO., LTD., Winnipeg, Manitoba, Canada			
1010	Ground Mixed Screenings	9.34	11.50	12.75
	MILK SPECIALTIES, INC., Dundee, Ill.			
0102	Dari-Dri Veal Formula	5.71	23.00	23.00
	MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.			
0991	Choice Steam Cooked Hominy Feed	10.51	10.00	10.75
1632	Choice Steam Cooked Hominy Feed	9.43	10.00	10.25
	MINUTE MAID COMPANY, Leesburg, Fla.			
0377	Golden Isle Brand Citrus Pulp	8.71	6.00	6.50

## INSPECTION OF 1963

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.04	7.00	4.54	
3.00	3.57	11.00	3.92	
3.50	3.39	4.00	3.44	Amprolium: Guar., 0.0125%; found, 0.0135%. Ethopabate: Guar., 0.0004%; found, 0.00039%.
5.00	5.34	3.00	2.23	
3.00	4.94	9.00	6.54	
3.40	3.47	11.00	9.13	
4.00	4.15	9.00	6.54	
4.00	4.03	9.00	6.42	
2.50	2.66	19.00	18.59	
20.00	20.60	0.25	0.14	
5.00	6.80	5.00	3.92	
5.00	5.70	5.00	3.74	
2.70	2.93	15.00	11.22	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
	GEO. Q. MOON & CO., INC., Binghamton, N. Y.			
0214	Moon Complete Laying Mash	10.79	16.00	16.00
0912	Moon N.E. Complete Growing Mash	10.34	16.00	17.50
0906	Moon N.E. Complete Laying Mash	10.05	16.00	17.25
0208	Moon Rabbit Pellets	10.56	15.00	16.75
0908	Moon Scratch Feed	11.82	9.00	9.25
0905	Moon U.S. 20% Dairy Ration	10.23	20.00	<u>19.00</u>
	MOWAT, WILSON & CO., INC., Detroit 35, Mich.			
0867	Dried Beet Pulp	7.14	7.00	9.75
	MT. VERNON MILLING CO., Mt. Vernon, Ind.			
1076	"Sunlite" Hominy Feed	9.97	10.00	10.75
	NAPPANEE MILLING CO., INC., Nappanee, Ind.			
0097	Hominy Feed	12.43	10.00	11.00
	NATIONAL ALFALFA DEHY- DRATING & MILLING CO., Kansas City 11, Mo.			
1649	Krumbles	6.91	13.00	14.50
0363	National 20% Broiler-Layer Grade Dehydrated Alfalfa Meal	10.13	20.00	20.75
1654	National 18% Hi-N Dehydrated Alfalfa Meal	8.66	18.00	19.75
0990	National Pro 17 17% Alfalfa Meal Dehydrated	9.03	17.00	17.00
	NATIONAL BISCUIT CO., Toledo Mill, Toledo, Ohio			
0919	Pure Wheat Bran	11.64	13.00	15.50
	NOPCO CHEMICAL CO., Newark, N. J.			
0099	Nopco-Pak Hi-Lay Premix GGU	3.59	1.00	14.75

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|---------------------------|-------|---------------------------|--------------|-----------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found | |
| 4.50 | 4.54 | 6.50 | 6.57 | |
| 3.00 | 3.79 | 9.00 | 7.00 | |
| 3.00 | 4.03 | 9.00 | 8.04 | |
| 2.50 | 3.35 | 12.00 | 9.03 | |
| 2.00 | 3.16 | 5.00 | 2.73 | |
| 3.50 | 4.28 | 11.00 | <u>12.28</u> | |
| 0.30 | 0.58 | 22.50 | 19.62 | |
| 5.00 | 6.19 | 6.00 | 5.85 | |
| 6.50 | 8.34 | 6.00 | 3.48 | |
| 1.50 | 2.24 | 33.00 | 30.63 | |
| 2.50 | 5.14 | 20.00 | <u>23.73</u> | |
| 2.00 | 3.08 | 23.00 | 20.81 | |
| 1.50 | 2.98 | 27.00 | 23.62 | |
| 3.00 | 3.74 | 10.00 | 9.35 | |
| 1.00 | 2.40 | 25.00 | 6.90 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0100 | Nopco-Pak Super Premix FGY | 7.25 | 1.00 | 15.25 |
| 0098 | Nopdex "3000" | 10.37 | 10.00 | 19.63 |
| | NORTHERN OHIO SUGAR CO., Denver 2, Col. | | | |
| 0913 | GW Dried Beet Pulp | 7.49 | 8.00 | 9.75 |
| | OGDEN GRAIN CO., Utica, N. Y. | | | |
| 1648 | Davis Dairy Pellets | 11.92 | 16.00 | 16.25 |
| 0043 | H. K. Davis Dairy Pellets | 12.73 | ..... | 14.75 |
| 0044 | Doc's 16% Dairy Mix | 12.32 | 16.00 | 16.25 |
| 1647 | Doc's 20% Dairy | 11.92 | 20.00 | 21.00 |
| 0040 | Doc's 20% Dairy Mix | 12.54 | 20.00 | 19.50 |
| 0045 | Doc's 20% Dairy Mix | 12.57 | 20.00 | 20.00 |
| 0041 | Doc's 20% Dairy Pellets | 12.26 | 20.00 | 19.50 |
| 0042 | Eastman Dairy Pellets | 12.61 | ..... | 20.00 |
| 0430 | Life Span 15 | 12.21 | 15.00 | 16.25 |
| 1244 | Ogden Complete Layer Medicated | 10.49 | 16.00 | 18.25 |
| 0432 | Ogden Developer | 12.11 | 8.50 | 9.00 |
| 1408 | Ogden Econ-O-Mix 16% Dairy Feed | 10.90 | 16.00 | 17.50 |
| 1140 | Ogden Hi-Energy Laying Med. | 9.96 | 16.00 | 18.50 |
| 1081 | Ogden 16% Hi-Kal Dairy Pellets | 11.47 | 16.00 | 16.50 |
| 1410 | Ogden 18% Hi-Kal Dairy Pellets | 11.04 | 18.00 | 18.00 |
| 0446 | Ogden Hi-Value Complete Layer | 12.44 | 16.00 | 16.25 |
| 0431 | Ogden Horse Feed | 12.59 | 10.00 | 11.00 |
| 1414 | Ogden Milk Replacement | 4.35 | 21.00 | 21.25 |
| 0445 | Ogden Old Reliable 16 Dairy Ration | 13.97 | 16.00 | 15.50 |
| 0447 | Ogden Premium Dry & Freshening Ration | 14.39 | 14.00 | 15.75 |
| 1413 | Ogden Premium 16 Hi Energy Dairy Pellets | 10.49 | 16.00 | 16.75 |
| 1412 | Ogden Premium 14 Pel-Flake | 11.75 | 14.00 | 16.75 |
| 0444 | Ogden Premium 16 Pel-Flake | 14.36 | 16.00 | 16.00 |
| 1080 | Ogden Premium Test Cow 16 | 11.28 | 16.00 | 17.50 |
| 0644 | Ogden Premium Test Cow 18 | 11.50 | 18.00 | 18.75 |
| 0642 | Ogden Rabbit Pellets | 10.16 | 18.00 | 18.25 |
| 1407 | Ogden Reliable 15 Pel-Flake | 11.78 | 15.00 | 16.50 |
| 1409 | Ogden RS 10 | 11.27 | 10.00 | 12.50 |

~~~~ Indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

| Fat                      |       | Fiber                    |                | Medicants                                        |
|--------------------------|-------|--------------------------|----------------|--------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found          |                                                  |
| 1.00                     | 1.73  | 25.00                    | 9.18           |                                                  |
| 0.50                     | 3.91  | 37.00                    | 27.06          |                                                  |
| ....                     | ....  | 22.50                    | 25.35<br>~~~~~ |                                                  |
| 3.00                     | 3.01  | 9.00                     | 8.24           |                                                  |
| ....                     | 2.69  | ....                     | 7.69           |                                                  |
| ....                     | 2.96  | ....                     | 8.15           |                                                  |
| 3.50                     | 2.79  | 8.00                     | 8.41           |                                                  |
| 3.50                     | 2.92  | 8.00                     | 6.91           |                                                  |
| 3.50                     | 2.88  | 8.00                     | 7.86           |                                                  |
| 3.50                     | 2.89  | 8.00                     | 7.24           |                                                  |
| ....                     | 1.77  | ....                     | 7.27           |                                                  |
| 3.50                     | 3.50  | 8.00                     | 7.00           |                                                  |
| 3.50                     | 3.49  | 3.50                     | 5.15<br>~~~~~  | Arsanilic Acid: Guar., 0.01%;<br>found, 0.0088%. |
| 3.00                     | 2.90  | 3.50                     | 1.52           |                                                  |
| 3.00                     | 3.63  | 12.00                    | 11.75          |                                                  |
| 4.50                     | 4.79  | 3.50                     | 4.27<br>~~~~~  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0097%. |
| 4.00                     | 3.69  | 8.00                     | 8.19           |                                                  |
| 4.00                     | 4.26  | 8.00                     | 8.94           |                                                  |
| 3.00                     | 3.00  | 5.50                     | 5.64           |                                                  |
| 3.00                     | 3.29  | 9.00                     | 7.50           |                                                  |
| 8.50                     | 7.74  | 0.50                     | 0.33           |                                                  |
| 3.00                     | 3.10  | 9.00                     | 8.47           |                                                  |
| 3.50                     | 3.63  | 8.00                     | 8.06           |                                                  |
| 3.50                     | 3.30  | 6.50                     | 6.74           |                                                  |
| 4.00                     | 4.04  | 8.00                     | 6.60           |                                                  |
| 4.00                     | 3.60  | 8.00                     | 6.49           |                                                  |
| 3.50                     | 4.00  | 8.00                     | 8.22           |                                                  |
| 3.50                     | 3.53  | 8.00                     | 7.81           |                                                  |
| 3.00                     | 2.83  | 12.00                    | 9.67           |                                                  |
| 3.50                     | 3.38  | 7.00                     | 7.74           |                                                  |
| 2.00                     | 2.76  | 20.00                    | 7.56           |                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                   | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|----------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                          |           | Guaran-teed not less than | Found |
| 0643        | Ogden Scratch Grains                                     | 12.25     | 9.00                      | 9.25  |
| 0645        | Ogden Super Hi Energy                                    | 10.47     | 20.00                     | 18.50 |
| 1411        | Ogden Super Pig Ration                                   | 10.19     | 14.00                     | 14.25 |
|             | THE OGILVIE FLOUR MILLS<br>CO., LTD., Montreal, Canada   |           |                           |       |
| 0456        | Ogilvie Wheat Bran                                       | 12.62     | 15.00                     | 16.75 |
| 1651        | Ogilvie Wheat Shorts                                     | 10.16     | 16.00                     | 19.50 |
|             | PARRISH & HEIMBECKER, LTD.<br>Toronto, Ontario, Canada   |           |                           |       |
| 1418        | "Parrheim" Pure Wheat Bran                               | 9.71      | 14.00                     | 16.75 |
|             | PASCO PACKING CO., Dade<br>City, Fla.                    |           |                           |       |
| 0994        | O-MI-O Citrus Pulp                                       | 9.84      | 6.00                      | 6.50  |
|             | PEAVY CO., Flour Mills,<br>Minneapolis 15, Minn.         |           |                           |       |
| 0330        | Occident Wheat Middlings with<br>Ground Wheat Screenings | 10.64     | 16.00                     | 18.75 |
|             | PIERCE GRAIN CORP.,<br>Buffalo, N. Y.                    |           |                           |       |
| 0861        | Reliance Coarse Calf Meal                                | 10.82     | 20.00                     | 20.00 |
| 0862        | Reliance Horse Feed Fortified                            | 11.94     | 11.00                     | 12.75 |
|             | PILLSBURY CANADA, LTD.,<br>Midland, Ontario, Canada      |           |                           |       |
| 1067        | Dandy Wheat Bran                                         | 11.41     | 14.00                     | 15.25 |
|             | THE PILLSBURY CO.,<br>Minneapolis 2, Minn.               |           |                           |       |
| 0666        | Pillsbury's Wheat Germ Meal                              | 10.76     | 25.00                     | 25.00 |
|             | PITTSBURGH PLATE GLASS<br>CO., Red Wing, Minn.           |           |                           |       |
| 0459        | Red Wing 32% Protein Solvent<br>Extracted Linseed Meal   | 12.71     | 32.00                     | 37.50 |

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Indicates deficiencies.

Analyses

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Fat		Fiber		Medicants
Guaran-teed not less than	Found	Guaran-teed not more than	Found	
3.00	3.13	6.00	3.33	
4.50	3. <u>.76</u>	4.00	4. <u>.90</u>	
3.50	3. <u>.74</u>	7.00	6. <u>.20</u>	
3.50	5.24	11.50	11.94	
5.00	4.81	8.00	8.24	
3.50	4.71	11.50	11.01	
3.00	2. <u>.71</u>	16.00	10.51	
4.00	4.30	9.50	9.76	
3.00	3.71	8.00	7.00	
3.00	3.89	8.00	6.71	
3.50	4.63	11.50	10.44	
8.00	7. <u>.73</u>	4.00	4.27	
0.50	0.64	11.00	8.16	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
0907	THE QUAKER OATS CO., Chicago 54, Ill.			
	Muffet's Shredded Wheat Feed	9.06	10.00	11.25
0422	THE QUAKER OATS CO. OF CANADA, LTD., Peter- borough, Ontario, Canada			
	Peterborough Oat Mill By Product	8.42	2.50	4.00
0746	RALSTON PURINA CO., St. Louis, Mo.			
	Northeastern Scratch Feed 6735	12.29	9.00	10.00
0952	44% Protein Solvent Extracted Soybean Meal	10.58	44.00	46.75
	Purina B & M Cow Chow 1432	11.91	16.00	17.00
0736	Purina Breeder Eggona NE 6441	11.76	16.00	16.75
0735	Purina Broiler Chow Finisher No. 2 7342	10.15	18.00	19.00
1845	Purina Broiler Chow Finisher No. 1 MP Medicated 7207	10.29	20.00	22.25
1734	Purina Broiler Chow MP Medi- cated 7105	10.31	20.00	22.50
1851	Purina Broiler Chow Starter MP Medicated 7009	9.17	23.00	25.50
0882	Purina Bulky Las 1960	10.85	10.00	10.75
0954	Purina Calf Startena (Coarse)	12.00	19.50	19.75
0659	Purina Calf Startena (Pellets) 1014	9.79	19.50	20.00
0661	Purina Chick Chow (Coarse) 6715	13.17	9.00	9.00
0755	Purina Chick Chow (Fine)	13.01	9.00	9.25
0222	Purina Chick Growena 6101	10.46	17.00	17.00
1563	Purina Chick Growena ZO Medicated 6109	9.96	17.00	17.50
0753	Purina Chick Startena 6001	9.61	18.00	22.50
1066	Purina Complete Sow Chow (Pellets) 2301	11.51	14.00	15.00
1017	Purina Cow Chow D 16% (Pellets) 1420	10.67	16.00	16.50
0957	Purina Cow Chow D (B) 16% 1420	9.91	16.00	16.25

INSPECTION OF 1963

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
1.50	1.69	3.00	2.17	
1.00	1.79	32.00	25.39	
2.00	3.09	5.00	3.23	
0.50	1.18	7.00	6.97	
2.50	2.73	10.00	6.06	
3.00	5.49	4.50	2.73	
5.00	7.44	4.50	2.34	
4.50	4.79	4.50	2.79	Amprolium: Guar., 0.0125%; found, 0.0120%.
3.00	4.19	5.00	2.97	Amprolium: Guar., 0.0125%; found, 0.0120%.
4.50	6.94	4.50	2.62	Amprolium: Guar., 0.0125%; found, 0.0115%.
1.00	1.77	15.00	12.57	
2.50	3.29	8.00	5.71	
5.00	6.53	11.00	8.67	
2.00	2.73	4.00	1.46	
2.00	2.66	4.00	1.41	
3.00	3.95	7.00	4.99	
3.00	3.90	7.00	7.32	Zoalene: Guar., 0.0083%; found, 0.0078%.
3.00	4.73	6.00	4.57	
2.50	3.88	6.00	4.00	
2.50	3.98	6.00	5.47	
2.50	4.35	6.00	5.45	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
1020	Purina Cow Chow D (B) 20% Pellets 1424	10.10	20.00	21.50
0879	Purina Cow Chow D (U) 16% 1421	10.21	16.00	16.25
1015	Purina D & F Chow 1120	10.89	12.50	13.88
8675	Purina D & F Chow 1120	7.34	12.50	12.50
0739	Purina D & F Chow Coarse 1101	12.29	12.50	13.25
0758	Purina Dairy Chow L 14% 1468	10.75	14.00	14.75
0881	Purina Dairy Chow L 16% Pellets 1472	9.56	16.00	17.00
1726	Purina .0023% Dienestrol Diacetate Mixture in Purina Roaster Chow NC	10.15	15.00	18.50
0738	Purina Duck Growena 8815	10.74	16.00	17.50
0757	Purina Egg Chow T 6615	10.57	20.00	23.00
0343	Purina Eggena NE 6543	11.11	16.00	16.00
0204	Purina Game Bird F & M Chow 5431	11.60	19.00	19.00
1123	Purina Game Bird Startena SQ Medicated 5420	9.70	30.00	30.50
0946	Purina Goat Chow Coarse 5501	11.57	16.00	17.25
0956	Purina Hen Chow D 6765	12.97	9.00	9.25
1568	Purina Hog Finisher No. 1 Medicated 2210	12.21	14.00	14.75
1023	Purina Hog Finisher No. 2 Pellets 2240	11.06	12.00	12.50
0344	Purina Horse Chow Checkers 3275	9.79	12.50	14.50
1072	Purina Layena 6501	10.41	16.00	16.25
1280	Purina Medicated Chek-R-Aid 8910	11.66	20.00	20.25
0658	Purina Milk Chow D 16% Coarse 1446	11.11	16.00	17.50
1016	Purina Milk Chow D 16% Pellets 1433	10.59	16.00	18.00
0880	Purina Milk Chow D (U) 16% Coarse 1434	10.38	16.00	16.75
1019	Purina Milk Chow D (U) 16% Pellets 1433	11.90	16.00	17.00

~~~~~ Indicates deficiencies.

## INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                          |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                    |
| 2.50                     | 4.00  | 6.00                     | 5.67  |                                                                                                                                                                    |
| 2.50                     | 3.56  | 6.00                     | 6.09  |                                                                                                                                                                    |
| 2.50                     | 3.43  | 11.00                    | 8.16  |                                                                                                                                                                    |
| 2.50                     | 2.83  | 11.00                    | 11.89 |                                                                                                                                                                    |
| 2.50                     | 2.99  | 11.00                    | 7.23  |                                                                                                                                                                    |
| 2.50                     | 2.50  | 10.00                    | 8.58  |                                                                                                                                                                    |
| 2.50                     | 3.29  | 12.00                    | 10.70 | Dienestrol Diacetate: Guar., 0.0023%; not determined.                                                                                                              |
| 4.00                     | 4.14  | 4.50                     | 2.67  | Nicarbazin: Guar., 0.0125%; found, 0.0134%.                                                                                                                        |
| 3.00                     | 3.39  | 5.00                     | 3.70  |                                                                                                                                                                    |
| 3.00                     | 3.04  | 7.00                     | 4.17  |                                                                                                                                                                    |
| 3.00                     | 4.69  | 4.50                     | 3.16  |                                                                                                                                                                    |
| 2.00                     | 3.84  | 12.00                    | 5.61  |                                                                                                                                                                    |
| 2.50                     | 2.94  | 6.50                     | 5.11  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0175%.                                                                                                                  |
| 3.00                     | 3.45  | 9.00                     | 6.77  |                                                                                                                                                                    |
| 2.00                     | 2.23  | 5.00                     | 1.95  |                                                                                                                                                                    |
| 2.50                     | 2.79  | 7.00                     | 2.92  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.005%.                                                                                                 |
| 2.50                     | 3.44  | 7.00                     | 3.57  |                                                                                                                                                                    |
| 1.50                     | 2.24  | 25.00                    | 20.44 |                                                                                                                                                                    |
| 3.50                     | 4.35  | 4.50                     | 2.60  |                                                                                                                                                                    |
| 4.50                     | 4.65  | 4.50                     | 3.92  | Furazolidone: Guar., 0.011%; found, 0.0094%. Chlortetra-cycline hydrochloride: Guar., 50 gm/ton; not determined. Oxytetracycline: Guar. 50 gm/ton; not determined. |
| 2.50                     | 3.29  | 9.00                     | 7.01  |                                                                                                                                                                    |
| 2.50                     | 2.95  | 9.00                     | 5.88  |                                                                                                                                                                    |
| 2.50                     | 3.31  | 9.00                     | 7.43  |                                                                                                                                                                    |
| 2.50                     | 3.76  | 9.00                     | 5.74  |                                                                                                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|-----------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                           |           | Guaran-teed not less than | Found |
| 1018        | Purina Milk Chow D 20% Pellets<br>1453                    | 10.77     | 20.00                     | 21.50 |
| 0663        | Purina Mink Developer Chow                                | 9.16      | 20.00                     | 21.25 |
| 1022        | Purina Nursing Chow                                       | 5.92      | 25.00                     | 26.25 |
| 0216        | Purina Omolene 3280                                       | 13.52     | 10.00                     | 10.00 |
| 0756        | Purina Pigeon Chow Checkers                               | 11.05     | 15.00                     | 15.75 |
| 0947        | Purina Poultry Booster Chow                               | 9.62      | 24.00                     | 24.50 |
| 1274        | Purina Poultry Wormer                                     | 9.85      | 17.00                     | 17.50 |
|             |                                                           |           |                           |       |
| 0660        | Purina Pullet Developer F 6170                            | 10.88     | 13.00                     | 13.75 |
| 1561        | Purina Pullet Developer F<br>ZO Medicated 6175            | 10.56     | 13.00                     | 14.00 |
| 0662        | Purina Rabbit Chow Checkers D                             | 8.76      | 15.00                     | 16.00 |
| 0901        | Purina Rabbit Chow Checkers<br>20% 5325                   | 9.16      | 20.00                     | 22.50 |
| 1021        | Purina Rabbit Chow Checkers<br>(D) WO 5320                | 8.66      | 15.00                     | 17.00 |
| 1281        | Purina Rabbit Chow Checkers<br>FZ SQ Medicated 5310       | 9.47      | 15.00                     | 16.00 |
|             |                                                           |           |                           |       |
| 1069        | Purina Range Checkers A 3110                              | 11.09     | 20.00                     | 20.25 |
| 0734        | Purina Roaster Chow 7346                                  | 10.67     | 15.00                     | 17.50 |
| 1068        | Purina Special Steer Fatena 3901                          | 9.73      | 32.00                     | 32.00 |
| 0737        | Purina Turkey Finisher No. 1                              | 10.37     | 15.00                     | 16.50 |
| 0745        | Purina Turkey Finisher No. 2                              | 11.07     | 13.50                     | 14.50 |
| 1916        | Purina Turkey Finisher No. 1<br>Pellets HZ Medicated 8233 | 10.61     | 15.00                     | 16.25 |
|             |                                                           |           |                           |       |
| 0394        | Purina Turkey Growena No. 2                               | 10.37     | 20.00                     | 20.00 |
| 1732        | Purina Turkey Growena No. 2<br>HS Medicated Pellets 8137  | 9.84      | 20.00                     | 20.50 |
|             |                                                           |           |                           |       |
| 1071        | Purina Turkey Startena 8040                               | 9.94      | 27.00                     | 27.25 |
| 0951        | Wheat Middlings 388                                       | 11.86     | 15.00                     | 17.00 |
|             |                                                           |           |                           |       |
|             | READING MILLING CO., INC.,<br>Reading, Pa.                |           |                           |       |
| 0203        | Faramel Complete Rabbit Pellets                           | 10.02     | 16.00                     | 16.00 |
| 0211        | Faramel Special 20% Laying Mash                           | 10.64     | 20.00                     | 20.75 |
| ~~~~~       | Indicates deficiencies.                                   |           |                           |       |

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| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                            |
|--------------------------|-------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                      |
| 2.50                     | 3.64  | 9.00                     | 6.88  |                                                                                                                                                                      |
| 4.00                     | 5.23  | 6.00                     | 6.40  |                                                                                                                                                                      |
| 2.50                     | 2.69  | 1.50                     | 0.89  |                                                                                                                                                                      |
| 2.00                     | 3.79  | 9.00                     | 6.65  |                                                                                                                                                                      |
| 2.50                     | 3.11  | 6.00                     | 3.41  |                                                                                                                                                                      |
| 2.50                     | 3.99  | 6.50                     | 5.02  |                                                                                                                                                                      |
| 3.00                     | 4.48  | 8.00                     | 5.08  | Phenothiazine: Guar., 0.29%; found, <del>0.150</del> %. Piperazine monohydrate: Guar., 0.0783%; not determined. Dubutyl tin dilaurate: Guar., 0.07%; not determined. |
| 2.50                     | 3.65  | 9.00                     | 7.02  | Zoalene: Guar., 0.0083%; found, 0.0071%.                                                                                                                             |
| 2.50                     | 4.24  | 9.00                     | 6.07  |                                                                                                                                                                      |
| 2.00                     | 3.28  | 18.00                    | 13.55 |                                                                                                                                                                      |
| 2.00                     | 3.14  | 16.00                    | 14.18 |                                                                                                                                                                      |
| 2.00                     | 3.33  | 18.00                    | 13.44 |                                                                                                                                                                      |
| 2.00                     | 2.98  | 18.00                    | 18.30 | Furazolidone: Guar., 0.0055%; found, 0.0055%. Sulfaquinoxaline: Guar., 0.0250%; found, 0.0224%.                                                                      |
| 1.50                     | 4.21  | 10.00                    | 9.85  |                                                                                                                                                                      |
| 4.00                     | 4.51  | 4.50                     | 2.43  |                                                                                                                                                                      |
| 1.50                     | 2.71  | 12.00                    | 10.46 |                                                                                                                                                                      |
| 3.50                     | 3.89  | 4.50                     | 3.17  |                                                                                                                                                                      |
| 3.50                     | 3.50  | 4.50                     | 3.34  |                                                                                                                                                                      |
| 3.50                     | 3.99  | 4.50                     | 3.40  | Hepzide: Guar., 0.030%; found, 0.0306%.                                                                                                                              |
| 3.00                     | 3.81  | 6.00                     | 4.48  |                                                                                                                                                                      |
| 3.00                     | 3.39  | 6.00                     | 3.58  | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0217%.                                                                                                           |
| 3.00                     | 3.12  | 5.50                     | 5.07  |                                                                                                                                                                      |
| 4.00                     | 5.09  | 9.50                     | 7.99  |                                                                                                                                                                      |
| 3.00                     | 4.65  | 15.00                    | 11.55 |                                                                                                                                                                      |
| 3.00                     | 6.09  | 5.00                     | 4.73  |                                                                                                                                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Mois-ture | Protein<br>(N x 6.25)           |       |
|-------------|------------------------------------------------------|-----------|---------------------------------|-------|
|             |                                                      |           | Guaran-teed not<br>less<br>than | Found |
|             | WOLF SAVITSKY & SONS, INC.,<br>Shelton, Conn.        |           |                                 |       |
| 0971        | Wolf's Calf Starter                                  | 10.51     | 18.00                           | 20.25 |
| 1139        | Wolf's Complete Hi-Eff Egg<br>Breeder Mash           | 10.78     | 16.00                           | 16.75 |
| 0455        | Wolf's Complete Hi-Eff Growing<br>Mash               | 12.46     | 16.00                           | 17.75 |
| 0206        | Wolf's 14% Dairy Ration                              | 12.66     | 14.00                           | 15.50 |
| 0454        | Wolf's 16% Dairy Ration                              | 13.00     | 16.00                           | 18.00 |
| 0973        | Wolf's 16% Dairy Pellets                             | 9.50      | 16.00                           | 18.75 |
| 0458        | Wolf's Dry & Freshening Ration                       | 12.30     | 14.00                           | 16.50 |
| 0972        | Wolf's Horse Feed                                    | 11.35     | 12.00                           | 16.25 |
| 0975        | Wolf's 16% Test Ration                               | 11.06     | 16.00                           | 18.50 |
| 0205        | Wolf's 18% Test Ration                               | 11.94     | 18.00                           | 19.00 |
|             | SCHENLEY DISTILLERS, INC.,<br>New York, N. Y.        |           |                                 |       |
| 0977        | Schenley's Soludri Corn Distillers<br>Dried Solubles | 10.71     | 24.00                           | 27.50 |
|             | SEA BOARD SUPPLY CO.,<br>Philadelphia 46, Pa.        |           |                                 |       |
| 1653        | Dried Tomato Pomace                                  | 5.43      | 20.00                           | 20.00 |
|             | SEAFORTH MILLING CO.,<br>Montreal, Canada            |           |                                 |       |
| 1652        | Tip Top Ground Grain Screenings                      | 10.02     | 11.00                           | 12.50 |
|             | JOSEPH E. SEAGRAM & SONS,<br>INC., New York, N. Y.   |           |                                 |       |
| 0361        | Seagram's Corn Distillers Dried<br>Solubles          | 8.69      | 25.00                           | 26.50 |
|             | SEYMOUR GRAIN & COAL CO.,<br>Seymour, Conn.          |           |                                 |       |
| 0985        | Miracle 14% Calf Grower                              | 12.04     | 14.00                           | 15.50 |
| 0618        | Miracle Dairy 16%                                    | 11.76     | 16.00                           | 16.50 |
| 0982        | Miracle Fitting Ration                               | 11.00     | 14.00                           | 15.25 |
| 0984        | Miracle Hi-Efficiency Grower                         | 11.66     | 16.00                           | 17.00 |
| 0986        | Miracle Hi-Energy All Mash Layer                     | 11.37     | 16.50                           | 17.50 |

~~~~~ Indicates deficiencies.

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| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.75 | 3.79 | 9.00 | 7.21 | |
| 3.00 | 3.06 | 4.00 | 2.78 | Arsanilic Acid: Guar.,
0.0099%; found, 0.0098%. |
| 3.00 | 2.74 | 4.00 | 3.23 | |
| 3.00 | 3.74 | 9.00 | 5.97 | |
| 3.00 | 3.41 | 10.00 | 9.08 | |
| 3.00 | 4.85 | 8.00 | 7.06 | |
| 3.00 | 3.29 | 9.00 | 6.86 | |
| 2.75 | 3.12 | 10.00 | 6.67 | |
| 3.00 | 4.00 | 9.00 | 5.54 | |
| 3.00 | 3.94 | 9.00 | 6.09 | |
| 5.00 | 8.89 | 4.00 | 3.87 | |
| 10.00 | 10.50 | 34.00 | 37.61 | |
| 2.50 | 2.94 | 14.00 | 12.72 | |
| 5.00 | 6.99 | 5.00 | 3.48 | |
| 3.00 | 2.96 | 8.00 | 5.73 | |
| 3.00 | 4.21 | 9.00 | 5.97 | |
| 3.00 | 4.14 | 8.00 | 7.64 | |
| 3.00 | 4.48 | 5.50 | 3.91 | |
| 4.25 | 4.91 | 4.75 | 3.10 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0617 | Miracle Horse Feed with Molasses | 12.11 | 10.00 | 10.00 |
| 0619 | Miracle 20% Laying Mash | 9.86 | 20.00 | 20.50 |
| 0983 | Pasture Mix | 10.87 | 9.00 | 11.25 |
| 0625 | See-More-Milk Dairy Ration | 11.97 | 18.00 | 17.25 |
| 0981 | See-More-Milk Dairy Ration | 11.21 | 20.00 | 20.00 |
| | THE SHERWIN WILLIAMS CO.,
Cleveland, Ohio | | | |
| 0915 | Sherwin-Williams 32% Linseed
Meal (Pellets) | 10.82 | 32.00 | 32.50 |
| | SPENCER KELLOGG, Div. of
Textron, Inc., Buffalo, N. Y. | | | |
| 1553 | Spencer Kellogg's 31% Protein
Old Process Expeller Linseed
Meal | 9.44 | 31.00 | 33.75 |
| | SUNI-CITRUS PRODUCTS CO.,
Haines City, Fla. | | | |
| 1078 | Sweet Suni Citrus Pulp | 10.30 | 6.00 | 6.75 |
| | SUNSHINE BISCUIT, INC.,
Milling Div., Grafton, Ohio | | | |
| 0207 | UMC Wheat Bran-Pure Wheat
Bran | 11.82 | 13.00 | 14.75 |
| | SWIFT & CO., Fostoria, Ohio | | | |
| 0624 | Swift's Cottonseed Meal 41%
Protein-Prime Quality | 9.00 | 41.00 | 41.50 |
| 0202 | Swift's 44% Protein Solvent
Extracted Soybean Meal | 11.38 | 44.00 | 44.75 |
| 1014 | Swift's Super Soy 50% Protein
Solvent Extracted Dehulled
Soybean Meal | 10.59 | 50.00 | 49.25 |
| | T. H. TAYLOR CO., LTD.,
Chatham, Ontario, Canada | | | |
| 0974 | Beaver Wheat Bran | 10.67 | 13.50 | 15.75 |
| ~~~~~ | Indicates deficiencies. | | | |

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| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.46 | 9.00 | 5.34 | |
| 3.00 | 3.54 | 6.50 | 5.06 | |
| 2.50 | 2.83 | 20.00 | 13.08 | |
| 3.00 | 3.59 | 9.50 | 5.84 | |
| 3.00 | 3.08 | 9.50 | 7.86 | |
| 0.50 | 1.74 | 11.00 | 9.36 | |
| 3.50 | <u>1.64</u> | 11.00 | 9.04 | |
| 3.00 | 4.84 | 15.50 | 14.17 | |
| 3.00 | 3.97 | 11.00 | 9.56 | |
| 3.00 | 3.78 | 13.00 | 12.51 | |
| 0.50 | 1.08 | 7.00 | 7.55 | |
| 0.50 | 1.25 | 3.00 | 3.27 | |
| 3.00 | 3.78 | 11.50 | 10.37 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0405 | TROPICANA PRODUCTS, INC.,
Bradenton, Fla.

Tropicana's Sweetest Dried
Citrus Pulp | 10.00 | 6.00 | 6.75 |
| 0995 | ULTRA-LIFE LABORATORIES,
INC., East St. Louis, Ill. | | | |
| 1567 | Ultra-Life Beef-Gro | 8.79 | 15.00 | 17.25 |
| 1111 | Ultra-Life Broiler-Gro Medicated | 10.17 | 25.00 | 28.75 |
| 0993 | Ultra-Life Calf Food Pellets Med. | 9.64 | 24.00 | 23.25 |
| 0996 | Ultra-Life High Energy Poultry | 8.36 | 20.00 | 22.75 |
| | Ultra-Life Livestock | 7.76 | 14.00 | 14.50 |
| | UNITED CO-OPERATIVE
FARMERS, INC.,
Fitchburg, Mass. | | | |
| 1640 | UCF Calf Grower | 11.87 | 20.00 | 18.50 |
| 0671 | UCF 16% Dairy | 10.50 | 16.00 | 16.75 |
| 1641 | UCF 18% Dairy | 10.71 | 18.00 | 19.25 |
| 0672 | UCF 20% Dairy | 11.34 | 20.00 | 20.00 |
| 0678 | UCF Hi NRG All Mash Grower | 10.92 | 16.00 | 16.00 |
| 0673 | UCF Hi NRG All Mash Layer | 10.81 | 16.00 | 16.50 |
| 1559 | UCF Hi NRG Starter Medicated | 11.46 | 20.00 | 21.00 |
| 1639 | UCF Layer | 10.10 | 20.00 | 20.00 |
| 1092 | UCF Medicated Booster 200 | 10.75 | 16.50 | 18.25 |
| 1275 | UCF Medicated Booster NF 200 | 11.06 | 16.50 | 17.50 |
| 1637 | UCF Milk Replacer | 8.25 | 20.00 | 21.50 |
| 0669 | UCF Pig & Hog Food | 10.85 | 20.00 | 20.25 |
| 0677 | UCF Scratch Feed | 12.12 | 9.00 | 9.25 |
| | UNITY FEEDS, INC.,
Boston 9, Mass. | | | |
| 0840 | Unity Complete Rabbit Pellets | 8.94 | 16.00 | 16.00 |
| 0842 | Unity Dairy Fitting Ration | 10.66 | 14.00 | 14.25 |
| 0805 | Unity Growing & Laying Mash | 10.27 | 20.00 | 18.25 |
| 0841 | Unity High Energy Breeder Mash | 10.16 | 16.00 | 15.25 |
| 0838 | Unity High Energy Growing Mash | 10.26 | 15.00 | 16.50 |

~~~ Indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

| Fat                       |       | Fiber                     |       | Medicants                                                           |
|---------------------------|-------|---------------------------|-------|---------------------------------------------------------------------|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found |                                                                     |
| 2.00                      | 6.73  | 12.00                     | 12.03 |                                                                     |
| 5.00                      | 7.04  | 7.50                      | 7.12  |                                                                     |
| 5.00                      | 5.54  | 7.00                      | 6.29  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.40%; found, 0.40%.    |
| 3.00                      | 3.78  | 7.00                      | 6.57  |                                                                     |
| 7.00                      | 9.74  | 6.00                      | 5.93  |                                                                     |
| 2.00                      | 1.93  | 5.50                      | 4.05  |                                                                     |
| 3.00                      | 2.85  | 6.00                      | 2.82  |                                                                     |
| 3.50                      | 4.09  | 8.00                      | 7.03  |                                                                     |
| 3.00                      | 3.29  | 8.00                      | 5.48  |                                                                     |
| 3.00                      | 3.69  | 7.00                      | 6.26  |                                                                     |
| 4.00                      | 4.24  | 4.00                      | 3.34  |                                                                     |
| 4.50                      | 4.56  | 3.50                      | 3.02  |                                                                     |
| 4.00                      | 3.36  | 4.00                      | 3.82  | Zoalene: Guar., 0.0083%; found, 0.0089%.                            |
| 4.00                      | 3.68  | 5.00                      | 3.47  |                                                                     |
| 4.00                      | 5.73  | 4.50                      | 4.16  | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. |
| 4.00                      | 5.53  | 4.50                      | 3.09  | Furazolidone: Guar., 0.022%; found, 0.0176%.                        |
| 2.00                      | 2.09  | 2.00                      | 1.74  |                                                                     |
| 3.00                      | 3.48  | 7.00                      | 4.28  |                                                                     |
| 3.00                      | 3.18  | 7.00                      | 3.92  |                                                                     |
| 2.00                      | 3.91  | 16.00                     | 8.88  |                                                                     |
| 3.50                      | 3.89  | 9.00                      | 7.13  |                                                                     |
| 3.00                      | 3.84  | 6.00                      | 4.15  |                                                                     |
| 3.00                      | 4.66  | 4.00                      | 3.22  |                                                                     |
| 3.50                      | 4.03  | 4.00                      | 4.33  |                                                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                         | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|------------------------------------------------|-----------|---------------------------|-------|
|             |                                                |           | Guaran-teed not less than | Found |
| 0804        | Unity High Energy Laying Mash                  | 10.22     | 15.00                     | 15.00 |
| 0803        | Unity Improved Calf Ration                     | 10.18     | 20.00                     | 20.75 |
| 0839        | Unity 16% Milkets                              | 9.61      | 16.00                     | 17.25 |
| 1646        | Unity Pig & Hog Ration                         | 11.41     | 17.00                     | 17.00 |
| 1572        | Unity Trim Medicated                           | 9.92      | 15.50                     | 15.50 |
|             | UNIVERSAL GRAIN CO. of N. J., Newark, N. J.    |           |                           |       |
| 1628        | Superior Cow Brand Brewer's Dried Grains       | 6.56      | 26.00                     | 34.25 |
|             | WILLIAM S. WARREN & SON, Eastford, Conn.       |           |                           |       |
| 0853        | Warren's C & C Complete Laying Mash            | 10.12     | 15.00                     | 15.50 |
| 0858        | Warren's Dairy Pellets                         | 10.21     | 16.00                     | 16.00 |
| 1633        | Warren's 16 Dairy Ration                       | 12.37     | 16.00                     | 16.00 |
| 1635        | Warren's 16 Dairy Ration                       | 10.87     | 16.00                     | 16.00 |
| 0849        | Warren's Fitting Ration                        | 10.85     | 14.00                     | 16.75 |
| 0850        | Warren's Fitting Ration                        | 10.61     | 14.00                     | 15.00 |
| 1636        | Warren's Horse Feed                            | 11.74     | 10.00                     | 11.00 |
| 1634        | Warren's Indian 16% Dairy                      | 11.73     | 16.00                     | 16.00 |
| 0860        | Warren's 16% Test Cow Ration                   | 11.50     | 16.00                     | 19.50 |
| 0852        | Warren's 16% Test Ration                       | 11.00     | 16.00                     | 16.50 |
| 0863        | Warren's 20% Test Ration                       | 10.23     | 20.00                     | 21.25 |
|             | H. K. WEBSTER CO., Lawrence, Mass.             |           |                           |       |
| 1238        | Blue Seal All-Mash Egg Ration Medicated        | 10.46     | 16.00                     | 16.00 |
| 1130        | Blue Seal All-Mash Growing Ration Medicated    | 11.09     | 16.00                     | 16.25 |
| 1286        | Blue Seal All-Mash Growing Ration ZL Medicated | 10.75     | 16.00                     | 16.25 |
| 1560        | Blue Seal C-4 Broiler Medicated                | 10.56     | 23.00                     | 23.25 |
| 0794        | Blue Seal Calf Starter                         | 10.86     | 19.00                     | 19.00 |
| 1557        | Blue Seal Chick Starter Medicated              | 10.72     | 20.00                     | 21.00 |
| 0338        | Blue Seal Coarse 16 Dairy Ration               | 10.88     | 16.00                     | 16.75 |
| 0780        | Blue Seal Coarse 20 Dairy Ration               | 10.76     | 20.00                     | 20.00 |
| 0781        | Blue Seal Complete Horse Ration                | 10.23     | 12.50                     | 13.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.09 | 4.00 | 3.07 | |
| 3.50 | 3.93 | 6.00 | 5.75 | |
| 3.50 | 4.98 | 9.00 | 8.91 | |
| 3.00 | 3.73 | 6.00 | 4.35 | |
| 3.00 | 3.24 | 6.00 | 4.11 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. |
| 6.00 | <u>5.51</u> | 17.00 | 10.88 | |
| 3.00 | 3.89 | 6.00 | 6.50 | |
| 3.00 | 4.13 | 9.00 | 8.12 | |
| 3.00 | <u>2.73</u> | 11.00 | 6.35 | |
| 3.00 | <u>3.13</u> | 11.00 | 9.49 | |
| 3.00 | 3.71 | 11.00 | 7.83 | |
| 3.00 | 3.29 | 11.00 | 8.66 | |
| 3.00 | 3.59 | 6.00 | 5.17 | |
| 3.00 | 3.00 | 11.00 | 7.64 | |
| 3.25 | 3.71 | 8.50 | 8.58 | |
| 3.50 | 3.43 | 10.00 | 8.51 | |
| 3.50 | 3.49 | 10.00 | 7.45 | |
| 4.00 | 4.73 | 3.50 | 3.44 | Arsanilic acid: Guar., 0.01%; found, 0.0088%. |
| 4.00 | 4.66 | 3.50 | 3.96 | Arsanilic acid: Guar., 0.01%; found, 0.01%. |
| 4.00 | 4.04 | 3.50 | 3.45 | Zoalene: Guar., 0.0083%; found, 0.0079%. |
| 6.50 | 6.86 | 3.00 | 3.59 | Zoalene: Guar., 0.0125%; found, 0.0126%. |
| 3.00 | 3.89 | 8.00 | 7.22 | |
| 3.50 | 3.44 | 4.50 | 4.86 | Zoalene: Guar., 0.0125%; found, 0.0103%. |
| 3.00 | 4.17 | 8.50 | 7.85 | |
| 3.00 | 4.50 | 8.00 | 7.25 | |
| 2.50 | 3.43 | 15.00 | 13.16 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 0865 | Blue Seal 16% Dairy Mix | 10.03 | 16.00 | 16.50 |
| 0766 | Blue Seal Egg Mash | 10.39 | 20.00 | 19.75 |
| 0337 | Blue Seal Fitting Ration | 10.86 | 14.00 | 14.00 |
| 0779 | Blue Seal No. 770 Grower | 10.16 | 15.00 | 15.25 |
| 0357 | Blue Seal Horse Feed | 11.76 | 10.00 | 12.00 |
| 0356 | Blue Seal No. 880 Layer | 10.11 | 16.00 | 16.00 |
| 1250 | Blue Seal Medicated NF Mix | 9.65 | 16.00 | 17.00 |
| 0866 | Blue Seal Milker's 16 Pellets | 10.43 | 16.00 | 17.50 |
| 0791 | Blue Seal Milker's 20 Pellets | 10.02 | 20.00 | 20.00 |
| 0792 | Blue Seal 16% Nuggets | 10.87 | 16.00 | 15.50 |
| 1239 | Blue Seal Pig Feed Medicated | 10.25 | 16.00 | 16.50 |
| 0869 | Blue Seal Producer's Grow & Lay | 9.31 | 20.00 | 20.25 |
| 0773 | Blue Seal Rabbit Pellets | 8.77 | 20.00 | 19.25 |
| 0358 | Blue Seal Standard 16 Dairy Ration | 11.16 | 16.00 | 16.00 |
| 0868 | Blue Seal Standard 20 Dairy Ration | 10.50 | 20.00 | 21.25 |
| 0873 | Blue Seal Standard 14 Fitting Ration | 11.31 | 14.00 | 15.50 |
| 0872 | Blue Seal Succulent Feed & Calving Ration | 10.66 | 13.00 | 14.50 |
| 0793 | Blue Seal Sweet Pulp | 11.07 | 9.00 | 9.50 |
| 1416 | Blue Seal Test Ration | 10.16 | 18.00 | 18.75 |
| 1570 | Blue Seal Turkey Growing HS Medicated | 10.34 | 20.00 | 20.00 |
| 0886 | Blue Seal Turkey Growing Pellets | 9.83 | 20.00 | 20.75 |
| | WEST-NESBITT, INC.,
Oneonta, N. Y. | | | |
| 0387 | Cream-Line Dairy-Test Ration | 11.10 | 18.00 | 19.75 |
| 1839 | Pure Feed Broiler Starter Med. | 10.10 | 22.00 | 21.25 |
| 1420 | Pure Feed Complete Layer | 9.96 | 17.00 | 17.75 |
| 0385 | Pure Feed Complete Rabbit Pellets | 10.20 | 16.00 | 18.00 |
| 1542 | Pure Feed 16% Dairy Pellets | 10.51 | 16.00 | 18.50 |
| 0386 | Pure Feed Egg & Breeder | 10.59 | 22.00 | 22.00 |
| 0388 | Pure Feed Egg Maker | 10.54 | 20.00 | 20.00 |
| 1421 | Pure Feed Grower | 10.38 | 18.00 | 18.25 |

~~~~ Indicates deficiencies.

## INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants                                                  |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                            |
| 3.00                     | 3.38  | 12.00                    | 10.46 |                                                            |
| 3.50                     | 4.09  | 3.50                     | 3.29  |                                                            |
| 3.00                     | 4.09  | 9.00                     | 8.32  |                                                            |
| 3.00                     | 3.73  | 5.50                     | 5.04  |                                                            |
| 3.00                     | 3.90  | 9.00                     | 4.89  |                                                            |
| 3.50                     | 4.20  | 4.50                     | 4.56  |                                                            |
| 3.50                     | 3.74  | 4.50                     | 4.60  | Furazolidone: Guar., 0.022%; found, 0.0215%.               |
| 3.50                     | 4.30  | 8.00                     | 7.34  |                                                            |
| 3.50                     | 4.23  | 8.00                     | 7.36  |                                                            |
| 3.00                     | 3.51  | 12.00                    | 12.11 |                                                            |
| 4.00                     | 4.28  | 6.00                     | 5.76  | Arsanilic acid: Guar., 0.01%; found, 0.0092%.              |
| 3.50                     | 3.81  | 6.00                     | 5.96  |                                                            |
| 3.00                     | 4.03  | 12.00                    | 10.88 |                                                            |
| 3.50                     | 4.11  | 8.50                     | 7.29  |                                                            |
| 3.00                     | 3.84  | 8.00                     | 7.28  |                                                            |
| 3.50                     | 3.79  | 9.00                     | 7.87  |                                                            |
| 2.50                     | 2.94  | 12.00                    | 11.59 |                                                            |
| 2.00                     | 2.01  | 15.00                    | 14.19 |                                                            |
| 3.00                     | 4.03  | 8.50                     | 8.23  |                                                            |
| 4.50                     | 4.73  | 4.00                     | 4.40  | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0215%. |
| 4.50                     | 4.29  | 4.00                     | 3.74  |                                                            |
| 3.50                     | 3.64  | 8.00                     | 6.17  |                                                            |
| 3.50                     | 3.98  | 4.00                     | 2.28  | Amprolium: Guar., 0.0125%; found, 0.0130%.                 |
| 3.00                     | 3.58  | 4.50                     | 3.61  |                                                            |
| 3.00                     | 4.90  | 14.00                    | 9.52  |                                                            |
| 3.75                     | 3.48  | 7.00                     | 6.09  |                                                            |
| 3.00                     | 4.28  | 8.00                     | 4.05  |                                                            |
| 3.00                     | 4.09  | 6.50                     | 4.58  |                                                            |
| 3.00                     | 4.15  | 5.00                     | 4.09  |                                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                              | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|---------------------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                                     |           | Guaran-teed not less than | Found |
| 1422        | Pure Feed Horse Ration                                              | 11.33     | 9.00                      | 11.50 |
| 1737        | Pure Feed Starter Medicated                                         | 10.74     | 20.00                     | 21.50 |
| 1541        | Pure Feed Sweet "16"                                                | 10.81     | 16.00                     | 17.00 |
| 0390        | Pure Feed Swine Ration                                              | 10.84     | 16.00                     | 16.00 |
| 0389        | Pure Feed Turkey Finisher                                           | 11.56     | 14.00                     | 15.25 |
|             | A. C. WETHERELL, Suffield,<br>Conn.                                 |           |                           |       |
| 1556        | Special No. 3 Dairy Ration                                          | 10.70     | 16.00                     | 15.25 |
|             | THE GEO. WIEDEMANN BREW-<br>ING CO., Newport, Ky.                   |           |                           |       |
| 0467        | Brewer's Dried Grains                                               | 7.80      | 24.00                     | 32.50 |
|             | WILKINS-ROGERS MILLING CO.,<br>Washington, D. C.                    |           |                           |       |
| 0201        | Washington Wheat Flour Middlings                                    | 11.58     | 15.00                     | 16.25 |
|             | WINTER GARDEN CITRUS<br>PRODUCTS COOPERATIVE<br>Winter Garden, Fla. |           |                           |       |
| 1638        | Wholesun Dried Citrus Pulp                                          | 9.26      | 6.00                      | 6.50  |
|             | WIRTHMORE FEEDS INC.,<br>Waltham, Mass.                             |           |                           |       |
| 0629        | Apex 16% Dairy Feed 587E                                            | 11.26     | 16.00                     | 17.75 |
| 0691        | New Hope Complete Horse Feed<br>813A                                | 10.67     | 12.50                     | 13.00 |
| 0665        | OPM Scratch 467T                                                    | 12.59     | 9.00                      | 10.00 |
| 1074        | Wirthmore Baby Chick Scratch<br>463A                                | 12.66     | 9.00                      | 10.00 |
| 1117        | Wirthmore Chick Starter 103A<br>Medicated                           | 10.84     | 20.00                     | 22.50 |
| 1917        | Wirthmore Chick Starter 104A                                        | 11.21     | 20.00                     | 20.50 |
| 0690        | Wirthmore Coarse Test Dairy<br>Feed 514A                            | 10.64     | 16.00                     | 17.75 |
| 0351        | Wirthmore Complete Growing<br>Ration 205A                           | 12.00     | 15.00                     | 15.00 |
| 1119        | Wirthmore Complete Growing<br>Ration 206A Medicated                 | 10.71     | 15.00                     | 16.50 |

## INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants                                                                               |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                         |
| 3.00                     | 3.24  | 10.00                    | 8.29  |                                                                                         |
| 3.00                     | 3.79  | 5.00                     | 3.30  | Amprolium: Guar., 0.0125%; found, 0.0115%.                                              |
| 3.50                     | 3.48  | 9.00                     | 6.98  |                                                                                         |
| 4.00                     | 4.54  | 8.00                     | 5.47  |                                                                                         |
| 4.00                     | 4.44  | 5.00                     | 3.91  |                                                                                         |
| 3.50                     | 3.64  | 9.00                     | 7.29  |                                                                                         |
| 5.00                     | 6.68  | 15.00                    | 13.05 |                                                                                         |
| 3.00                     | 5.24  | 6.00                     | 6.04  |                                                                                         |
| 2.50                     | 3.94  | 16.00                    | 11.87 |                                                                                         |
| 3.00                     | 3.84  | 9.00                     | 5.75  |                                                                                         |
| 2.00                     | 2.18  | 12.00                    | 7.26  |                                                                                         |
| 3.00                     | 3.04  | 5.00                     | 3.79  |                                                                                         |
| 2.50                     | 3.20  | 4.00                     | 1.61  |                                                                                         |
| 4.00                     | 4.15  | 4.50                     | 3.68  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0155%.                                       |
| 4.00                     | 4.11  | 4.50                     | 3.72  | Bithionol: Guar., 0.050%; not determined. Methiotriazine: Guar., 0.01%; not determined. |
| 4.00                     | 4.50  | 8.00                     | 6.27  |                                                                                         |
| 3.00                     | 3.60  | 6.00                     | 4.07  |                                                                                         |
| 3.00                     | 4.15  | 6.00                     | 5.12  | Sulfaquinoxaline: Guar., 0.0125%; found, 0.0147%.                                       |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                      |           | Guaran-teed not less than | Found |
| 0424        | Wirthmore Complete Turkey Fattening Ration 361A      | 10.77     | 14.00                     | 15.50 |
| 1735        | Wirthmore Complete Turkey Fattening Ration 362A Med. | 11.31     | 14.00                     | 15.00 |
| 1419        | Wirthmore Complete Turkey Growing Ration 341A        | 10.81     | 18.00                     | 19.50 |
| 1564        | Wirthmore Complete Turkey Growing Ration 342A Med.   | 10.37     | 18.00                     | 19.50 |
| 0630        | Wirthmore 36% Dairy Mixing Feed 564A                 | 9.59      | 36.00                     | 37.50 |
| 0962        | Wirthmore Fodder Greens 581A                         | 11.64     | 9.00                      | 11.50 |
| 0407        | Wirthmore Grow & Egg Mash 245A                       | 10.07     | 20.00                     | 20.75 |
| 1908        | Wirthmore Hi-Cal Broiler Finisher A 142A Medicated   | 10.57     | 22.50                     | 24.00 |
| 1909        | Wirthmore Hi-Cal Broiler-Starter A 123A Medicated    | 10.65     | 24.00                     | 24.75 |
| 0339        | Wirthmore 16 Hi-Cal Pellets Dairy Feed 532A          | 10.96     | 16.00                     | 17.00 |
| 0731        | Wirthmore 18 Hi-Cal Pellets Dairy Feed 533A          | 10.11     | 18.00                     | 18.75 |
| 1907        | Wirthmore Hi-Cal Roaster Finisher A 179A Medicated   | 10.38     | 18.50                     | 20.75 |
| 0340        | Wirthmore Hi-Ener-G 16 220A                          | 10.53     | 16.00                     | 15.00 |
| 1842        | Wirthmore Hi-Ener-G Broiler Ration 140A              | 11.14     | 22.00                     | 22.00 |
| 1128        | Wirthmore Hi-Ener-G 16 Layer Medicated 231A          | 10.50     | 16.00                     | 16.25 |
| 0404        | Wirthmore Hog Grower 722A                            | 12.32     | 15.00                     | 15.00 |
| 0627        | Wirthmore Horse Feed                                 | 12.04     | 10.00                     | 11.50 |
| 1630        | Wirthmore Horse Perkies Pellets 817A                 | 9.34      | 15.00                     | 17.50 |
| 0768        | Wirthmore Meatless Mink Food 842A                    | 9.82      | 12.00                     | 14.50 |
| 1918        | Wirthmore Medicated Ketrol 576A                      | 11.12     | 16.00                     | 16.00 |
| 1084        | Wirthmore Medicated Quickies 413A                    | 11.13     | 20.00                     | 20.00 |
| 1098        | Wirthmore Medicated Quick Perk 412A                  | 10.39     | 20.00                     | 22.00 |
| 1276        | Wirthmore Medicated Treat 414A                       | 12.16     | 16.00                     | 17.25 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|---------------------------|-------|---------------------------|-------|---|
| Guaran-teed not less than | Found | Guaran-teed not more than | Found | |
| 3.00 | 4.77 | 4.00 | 3.75 | |
| 3.00 | 3.94 | 4.00 | 3.53 | 4-Nitrophenylarsonic acid:
Guar., 0.0250%; found, 0.205%. |
| 3.00 | 3.14 | 5.00 | 3.69 | |
| 3.00 | 3.14 | 5.00 | 5.33 | 4-Nitrophenylarsonic acid:
Guar., 0.250%; found, 0.0195%. |
| 2.00 | 2.59 | 10.00 | 6.88 | |
| 2.50 | 3.24 | 15.00 | 10.48 | |
| 4.00 | 5.14 | 4.50 | 3.72 | |
| 7.00 | 7.18 | 3.00 | 2.80 | Amprolium: Guar., 0.0125%;
found, 0.0140%. |
| 7.00 | 6.94 | 3.00 | 2.82 | Amprolium: Guar., 0.0125%;
found, 0.0129%. |
| 3.50 | 4.29 | 8.50 | 6.32 | |
| 4.00 | 4.15 | 8.00 | 6.46 | Amprolium: Guar., 0.0125%; |
| 5.00 | 5.15 | 3.50 | 3.18 | found, 0.0125%. |
| 4.00 | 5.02 | 4.00 | 3.80 | |
| 5.50 | 6.11 | 3.50 | 3.21 | Amprolium: Guar., 0.0125%;
found, 0.0145%. |
| 4.00 | 4.98 | 3.50 | 3.32 | Sodium arsanilate: Guar.,
0.0088%; found, 0.0105%. |
| 4.00 | 4.15 | 6.00 | 3.25 | |
| 3.00 | 3.59 | 9.00 | 5.02 | |
| 3.00 | 3.99 | 7.00 | 5.75 | |
| 5.00 | 5.59 | 5.00 | 3.70 | |
| 3.00 | 3.31 | 6.00 | 5.23 | Sodium propionate: Guar.,
12.5%; not determined. |
| 4.00 | 4.58 | 4.00 | 2.93 | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. |
| 5.00 | 5.94 | 4.00 | 3.02 | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. |
| 4.00 | 4.11 | 4.00 | 3.18 | Furazolidone: Guar., 0.022%;
found, 0.0211%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 1277 | Wirthmore Medicated Turk-E-Perk 314A | 10.97 | 30.00 | 28.25 |
| 0772 | Wirthmore Milk Mizer 571A | 5.90 | 25.00 | 25.75 |
| 1077 | Wirthmore Mink Food 841A | 9.12 | 23.00 | 27.50 |
| 0664 | Wirthmore Original New Hope Horse Feed 815A | 11.39 | 12.50 | 14.00 |
| 0651 | Wirthmore Pig & Sow Feed 721A | 12.06 | 16.00 | 16.75 |
| 0732 | Wirthmore 16 Pro-Cal Dairy Feed Pellets 538A | 10.37 | 16.00 | 18.25 |
| 1091 | Wirthmore Quickies 423A | 12.00 | 16.00 | 17.25 |
| 0341 | Wirthmore Rabbit Pellets 831A | 9.71 | 16.00 | 16.75 |
| 1249 | Wirthmore Rabbit Pellets 832A Medicated | 9.73 | 16.00 | 17.50 |
| 0342 | Wirthmore 14 Record Dairy Feed 517A | 11.01 | 14.00 | 16.25 |
| 0352 | Wirthmore 16 Record Dairy Feed 512A | 11.76 | 16.00 | 17.50 |
| 1073 | Wirthmore 20 Record Dairy Feed 519A | 11.28 | 20.00 | 22.75 |
| 8674 | Wirthmore 14 Record Fitting & Calving Feed 516A | 8.44 | 14.00 | 15.25 |
| 0353 | Wirthmore 14 Record Fitting & Calving Feed 516A | 11.41 | 14.00 | 15.50 |
| 0628 | Wirthmore Scratch | 12.90 | 9.00 | 9.00 |
| 0652 | Wirthmore Stable Mate Complete Horse Feed 816A | 10.06 | 12.50 | 13.75 |
| 0406 | Wirthmore Stock Primer 616A | 11.31 | 14.00 | 15.00 |
| 0767 | Wirthmore Super Pellets 411A | 10.39 | 23.00 | 24.50 |
| 0765 | Wirthmore 16 Test Dairy Feed | 10.99 | 16.00 | 17.25 |
| 1417 | Wirthmore Turkey Growing Ration Pellets 321A | 11.33 | 23.00 | 23.00 |
| 1120 | Wirthmore Turkey Starter 312A Medicated Pellets | 10.35 | 28.00 | 26.25 |
| 0641 | Wirthmore Twin-Mix Calf Feed 573A | 11.42 | 18.00 | 20.25 |
| 0689 | Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537A | 9.34 | 16.00 | 17.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1963

| Fat                      |             | Fiber                    |       | Medicants                                                                                       |
|--------------------------|-------------|--------------------------|-------|-------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                 |
| 4.00                     | 6.41        | 4.00                     | 3.78  | Furazolidone: Guar., 0.011%; found, 0.0082%. Sulfaquinoxaline: Guar., 0.0175%; found, 0.0158%.  |
| 10.00                    | 10.03       | 1.50                     | 1.03  |                                                                                                 |
| 7.00                     | 6.79        | 4.00                     | 3.48  |                                                                                                 |
| 3.00                     | 3.21        | 6.00                     | 4.16  |                                                                                                 |
| 3.50                     | 4.24        | 6.00                     | 3.97  |                                                                                                 |
| 3.00                     | 3.08        | 12.00                    | 9.60  | Oxytetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined.                               |
| 4.00                     | 4.85        | 4.00                     | 3.93  |                                                                                                 |
| 3.00                     | 3.77        | 15.00                    | 10.90 |                                                                                                 |
| 3.00                     | 3.36        | 15.00                    | 12.60 | Furazolidone: Guar., 0.0055%; found, 0.0048%; Sulfaquinoxaline: Guar., 0.0125%; found, 0.0117%. |
| 3.50                     | 3.71        | 9.00                     | 7.28  |                                                                                                 |
| 3.50                     | 4.19        | 9.00                     | 6.36  |                                                                                                 |
| 3.50                     | 3.68        | 9.00                     | 7.23  |                                                                                                 |
| 3.50                     | <u>3.16</u> | 7.50                     | 6.60  |                                                                                                 |
| 3.50                     | 4.05        | 7.50                     | 6.36  |                                                                                                 |
| 2.50                     | 3.38        | 4.00                     | 3.45  |                                                                                                 |
| 2.00                     | 2.96        | 20.00                    | 14.15 |                                                                                                 |
| 3.00                     | 3.29        | 8.50                     | 5.30  |                                                                                                 |
| 3.50                     | 4.34        | 5.00                     | 3.81  |                                                                                                 |
| 4.00                     | 3.94        | 8.50                     | 6.07  |                                                                                                 |
| 3.50                     | 3.69        | 5.00                     | 4.86  |                                                                                                 |
| 4.00                     | 5.53        | 4.50                     | 4.03  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0150%.                                               |
| 3.00                     | 3.08        | 7.00                     | 4.97  |                                                                                                 |
| 5.00                     | 5.87        | 6.00                     | 5.67  |                                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                       | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|--------------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                              |           | Guaran-teed not less than | Found |
|             | THE YANTIC GRAIN & PRODUCTS CO., Norwich, Conn.              |           |                           |       |
| 0414        | Big Y Caged Layer Ration                                     | 10.31     | 18.00                     | 18.00 |
| 1655        | Big Y Calf & Beef Ration                                     | 14.42     | 10.00                     | 11.75 |
| 1657        | Big Y Cavalier Horse Feed                                    | 12.12     | 11.00                     | 15.00 |
| 1093        | Big Y Chlortetracycline (Aureomycin) Mixture                 | 10.47     | 15.00                     | 15.75 |
| 0883        | Big Y Complete Calf Starter                                  | 10.12     | 17.00                     | 17.25 |
| 0966        | Big Y Complete Grower-Layer Mash                             | 10.62     | 16.00                     | 15.25 |
| 0743        | Big Y Confinement Growing Mash                               | 11.40     | 15.00                     | 16.25 |
| 0380        | Big Y Controlled Growing Ration                              | 9.75      | 15.00                     | 12.25 |
| 0408        | Big Y Dairy & Fitting Ration                                 | 11.06     | 14.00                     | 15.00 |
| 8670        | Big Y 16% Dairy Ration                                       | 7.19      | 16.00                     | 18.63 |
| 0740        | Big Y 16% Dairy Ration                                       | 12.74     | 16.00                     | 16.75 |
| 0884        | Big Y 18% Dairy Ration (Coarse)                              | 10.81     | 18.00                     | 18.25 |
| 0409        | Big Y 20% Dairy Ration                                       | 11.10     | 20.00                     | 18.25 |
| 0378        | Big Y Dairy Ration Purity                                    | 10.76     | 16.00                     | 18.25 |
| 0742        | Big Y Dairy Ration Purity (No Filler)                        | 10.61     | 14.00                     | 16.50 |
| 0105        | Big Y Dairy Supplement 32%                                   | 12.06     | 32.00                     | 29.00 |
| 0375        | Big Y Energized 16 Dairy Feed                                | 9.29      | 16.00                     | 17.25 |
| 0376        | Big Y Extra Production Laying Mash                           | 10.06     | 16.00                     | 16.75 |
| 0970        | Big Y Hi-Efficiency Breeder Ration                           | 10.50     | 15.00                     | 16.00 |
| 0379        | Big Y High Efficiency Grower                                 | 10.37     | 15.00                     | 16.00 |
| 1121        | Big Y High Efficiency Grower Medicated                       | 10.65     | 15.00                     | 16.25 |
| 0104        | Big Y Hi-Efficiency Laying Mash (Krumbles)                   | 11.46     | 16.00                     | 17.00 |
| 1285        | Big Y Hi-Efficiency Laying Mash (NF 180)                     | 10.42     | 16.00                     | 17.00 |
| 0410        | Big Y Hi-G Dairy Ration                                      | 10.87     | 16.00                     | 16.00 |
| 0969        | Big Y Hi-G Dairy Ration (Pellets)                            | 9.82      | 20.00                     | 18.75 |
| 0802        | Big Y Hi-G Scratch Feed                                      | 11.87     | 9.00                      | 11.50 |
| 1569        | Big Y Histostat Mixture Mixed with Big Y Turkey Growing Feed | 10.51     | 20.00                     | 21.75 |
| 0799        | Big Y Hog & Pig Ration                                       | 10.22     | 17.00                     | 17.00 |
| 0381        | Big Y Horse Feed                                             | 11.91     | 10.00                     | 10.00 |

~~~~~ Indicates deficiencies.

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INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 3.50 | 4.79 | 4.00 | 3.71 | |
| 3.00 | 2.46 | 9.00 | 5.13 | |
| 3.00 | 2.79 | 8.00 | 4.82 | |
| 3.50 | 4.89 | 5.00 | 5.18 | Chlortetracycline hydrochlor- |
| 2.50 | 3.20 | 7.50 | 6.10 | ide: Guar., 0.05 gm/lb.; not determined. |
| 3.50 | 3.98 | 4.00 | 2.86 | |
| 3.50 | 5.19 | 5.00 | 3.95 | |
| 3.00 | 3.79 | 10.00 | 10.48 | |
| 3.50 | 4.57 | 9.00 | 7.94 | |
| 3.50 | 3.39 | 8.50 | 8.06 | |
| 3.50 | 4.33 | 8.50 | 6.90 | |
| 3.00 | 3.33 | 9.00 | 7.24 | |
| 3.00 | 3.65 | 9.00 | 7.83 | |
| 3.00 | 4.11 | 9.00 | 7.20 | |
| 3.50 | 4.24 | 9.00 | 6.72 | |
| 2.00 | 2.44 | 8.00 | 6.82 | |
| 4.00 | 5.17 | 6.50 | 6.02 | |
| 4.00 | 4.00 | 5.00 | 3.64 | |
| 3.50 | 4.66 | 4.00 | 3.75 | |
| 3.50 | 4.99 | 5.00 | 3.83 | |
| 3.50 | 4.64 | 5.00 | 4.12 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0158%. |
| 3.50 | 4.49 | 4.00 | 2.93 | |
| 3.50 | 3.71 | 4.00 | 3.59 | Furazolidone: Guar., 0.022%; found, 0.0215%. |
| 3.00 | 3.03 | 10.00 | 7.83 | |
| 3.00 | 3.71 | 10.00 | 5.76 | |
| 2.00 | 2.69 | 5.00 | 3.41 | |
| 3.50 | 3.79 | 6.00 | 5.62 | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0244%. |
| 3.50 | 4.13 | 8.00 | 8.04 | |
| 2.50 | 3.79 | 9.00 | 5.51 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| 1627 | Big Y Improved Broiler Finisher | 10.71 | 19.00 | 19.00 |
| 0415 | Big Y Intermediate Chick Grain | 12.07 | 10.00 | 11.25 |
| 1626 | Big Y 20% Laying Mash (Pellets) | 9.69 | 20.00 | 20.25 |
| 1660 | Big Y M & O Growing Feed | 10.44 | 18.00 | 19.75 |
| 0775 | Big Y Milk Replacer for Calves | 4.26 | 21.00 | 21.50 |
| 1846 | Big Y Peerless Broiler Ration
Medicated | 10.96 | 23.00 | 23.25 |
| 0778 | Big Y Poultry Fitting Ration | 12.43 | 10.00 | 11.75 |
| 1910 | Big Y Pre Starter Medicated | 9.47 | 26.00 | 26.50 |
| 0418 | Big Y Producto Pels | 10.31 | 16.00 | 18.75 |
| 0798 | Big Y Purity Dairy Ration | 11.62 | 20.00 | 19.50 |
| 0383 | Big Y Rabbit Pellets | 9.97 | 20.00 | 20.25 |
| 0741 | Big Y Scratch Feed | 12.07 | 9.00 | 10.25 |
| 1656 | Big Y Sheep & Goat Feed | 11.75 | 16.00 | 17.25 |
| 0382 | Big Y Station Fattener Pellets | 9.28 | 12.00 | 15.25 |
| 0777 | Big Y Stock Feed | 9.51 | 9.00 | 12.00 |
| 0801 | Big Y Super Starter-Broiler
Ration | 10.65 | 20.00 | 20.00 |
| 1122 | Big Y Super Starter Ration Med. | 10.42 | 20.00 | 20.00 |
| 0413 | Big Y Test Cow Ration | 11.21 | 16.00 | 15.25 |
| 0744 | Big Y Turkey Fattener Feed | 11.65 | 17.00 | 18.00 |
| 0417 | Big Y Turkey Growing Feed | 10.46 | 20.00 | 21.00 |
| 1913 | Big Y Turkey Growing Feed
Medicated (Pellets) | 9.90 | 20.00 | 20.50 |
| 0800 | Improved Al-Mo | 9.57 | 10.00 | 12.00 |

~~~~ indicates deficiencies.

## Analyses

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## INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants                                                  |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                            |
| 5.00                     | 5.03  | 4.00                     | 2.97  |                                                            |
| 2.50                     | 3.39  | 5.00                     | 2.06  |                                                            |
| 3.50                     | 4.13  | 6.00                     | 5.59  |                                                            |
| 3.50                     | 3.59  | 6.00                     | 5.10  |                                                            |
| 8.50                     | 8.49  | 0.50                     | 0.34  |                                                            |
| 5.50                     | 6.03  | 4.00                     | 2.86  | Amprolium: Guar., 0.0125%; found, 0.0149%.                 |
| 3.00                     | 3.70  | 8.00                     | 3.77  |                                                            |
| 8.00                     | 7.77  | 3.50                     | 2.98  | Amprolium: Guar., 0.0125%; found, 0.0114%.                 |
| 3.00                     | 4.85  | 10.00                    | 7.26  |                                                            |
| 3.00                     | 3.70  | 9.00                     | 7.20  |                                                            |
| 3.00                     | 3.54  | 10.00                    | 8.41  |                                                            |
| 2.00                     | 3.25  | 5.00                     | 4.01  |                                                            |
| 3.00                     | 3.59  | 8.50                     | 8.03  |                                                            |
| 3.00                     | 3.89  | 12.00                    | 8.59  |                                                            |
| 2.50                     | 3.14  | 15.00                    | 9.66  |                                                            |
| 3.50                     | 4.21  | 4.00                     | 3.54  |                                                            |
| 3.50                     | 4.36  | 4.50                     | 3.55  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0108%.<br>~~~~~ |
| 3.00                     | 4.04  | 8.50                     | 7.12  |                                                            |
| 3.50                     | 4.03  | 6.00                     | 4.57  |                                                            |
| 3.50                     | 4.50  | 6.00                     | 3.82  |                                                            |
| 3.50                     | 3.83  | 6.00                     | 3.77  | Enheptin A: Guar., 0.0150%; found, 0.0143%.                |
| 2.00                     | 3.49  | 12.00                    | 12.23 |                                                            |

TABLE 2. VITAMIN CARRIERS

| Station No.       | Manufacturer and brand                                                             | Place, date of sampling and control number |
|-------------------|------------------------------------------------------------------------------------|--------------------------------------------|
|                   | AMERICAN CYANAMID CO.,<br>Princeton, N. J.                                         |                                            |
| 0047              | Aureomycin Chlortetracycline<br>Vitamin A & D Crumbles                             | Portland, 8/15, None                       |
| 9327              | Aureomycin Chlortetracycline<br>Vitamin A & D Crumbles                             | Norwich, 5/8, None                         |
|                   | CLINTON CORN PROCESSING<br>CO., Clinton, Iowa                                      |                                            |
| 0856              | Clinton C. F. S. Concentrate No. 1                                                 | Jewett City, 11/12, None                   |
|                   | PEDER DEVOLD OIL CO., Div.<br>Chas. L. Huisking & Co.,<br>Inc., New York 17, N. Y. |                                            |
| 0823              | Peder Devold Cod Liver Oil N. F.                                                   | Norwalk, 10/29, TO-683                     |
|                   | DREW CHEMICAL CORP.,<br>Boonton, N. J.                                             |                                            |
| 0832              | Vitan Dry "3000"                                                                   | Shelton, 11/7, None                        |
| 8821              | Vitan Dry "3000"                                                                   | Shelton, 3/18, 3420                        |
| 9324              | Vitan Dry "3000"                                                                   | Shelton, 5/7, 3596                         |
|                   | EASTERN STATES FARMERS'<br>EXCHANGE, INC.<br>West Springfield, Mass.               |                                            |
| 0824              | Calfsaver Tablets                                                                  | Bethel, 10/30, 8007-106                    |
|                   | THE FOX COMPANY,<br>Newfield, N. J.                                                |                                            |
| 9323              | Foxco Qualadee 300-D-2250-A                                                        | Derby, 5/7, 22063                          |
|                   | KRAFT FOODS (Div. National<br>Dairy Products Corp.)<br>New York 16, N. Y.          |                                            |
| 0052 ¹ | Kray-9                                                                             | Norwich, 8/29, None                        |
| 9329 ² | Kray-9                                                                             | Norwich, 5/8, None                         |

~~~~ Indicates deficiencies.

--\* Vitamin D: Guaranteed, 400 U.S.P. units/lb.

-\*\* Not determined.

TABLE 2. VITAMIN CARRIERS

| Vitamin D
chick units/lb. | | Calcium
pantothenate
mg/lb. | | Niacin
mg/lb. | | Riboflavin
mg/lb. | |
|------------------------------|-------|-----------------------------------|-------------|------------------|-------------|----------------------|-------------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 16,000 | OK | | | | | | |
| 16,000 | OK | | | | | | |
| | | 12 | <u>8.90</u> | 40 | 58.45 | 3 | <u>5.49</u> |
| 33,750 | OK | | | | | | |
| 1,362,000 | OK | | | | | | |
| 1,362,000 | OK | | | | | | |
| 1,362,000 | OK | | | | | | |
| — — * | — ** | | | 50 | — *** | | |
| 136,200 | OK | | | | | | |
| **** | — ** | 17.4 | 16.3 | 60 | <u>85.0</u> | 12 | 28.2 |
| **** | — ** | 19.6 | 23.0 | 60 | <u>53.8</u> | 12 | <u>22.7</u> |

— \*\*\* Niacin: Found, 59.33 mg/tablet.

\*\*\*\* Vitamin D: Guaranteed, 7,000 U.S.P. units/lb.

<sup>1</sup> Thiamine, mg/lb.: Guaranteed, 10.0; found, 17.4.

<sup>2</sup> Thiamine, mg/lb.: Guaranteed, 10.0; found, 13.36.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------------|---|--|
| | MARINE PRODUCTS CO.,
Boston 27, Mass. | |
| 0049 | Finest Veterinary Cod Liver Oil | Norwich, 8/29, 2670-9174 |
| 8815 | Finest Veterinary Cod Liver Oil | Norwich, 3/15, 2038, 8355 |
| 9325 | Finest Veterinary Cod Liver Oil | Norwich, 5/8, 2670, 9174 |
| | MERCK & CO., INC., Rahway,
N. J. | |
| 8818 <sup>3</sup> | Improved Premix Medicated | Norwich, 3/15, M-239-3-1 |
| | MYZON, INC., Chicago, Ill. | |
| 8573 | Myzon Formula 62 Poultry
Builder | Hamden, 1/14, None |
| 8574 | Myzon Poultry Builder | Hamden, 1/14, None |
| | NOPCO CHEMICAL CO.,
Newark, N. J. | |
| 0050 | Nopdex "3000" | Norwich, 8/29, None |
| 0828 | Nopdex "3000" | Norwich, 11/6, None |
| 8558 | Nopdex "3000" | Norwich, 1/9, None |
| 8816 | Nopdex "3000" | Norwich, 3/15, None |
| 9328 | Nopdex "3000" | Norwich, 5/8, None |
| 0830 | Nopco-Pak Hi-Lay Premix
Code GGU | Norwich, 11/6, None |
| 8559 | Nopco-Pak Hi-Lay Premix
Code GGU | Norwich, 1/9, None |
| 8819 | Nopco-Pak Hi-Lay Premix
Code GGU | Norwich, 3/15, None |
| 0053 | Nopco-Pak Super Premix FGY | Norwich, 8/29, None |
| 0829 | Nopco-Pak Super Premix FGY | Norwich, 11/6, None |
| 8561 | Nopco-Pak Super Premix FGY | Norwich, 1/9, None |
| 8817 | Nopco-Pak Super Premix FGY | Norwich, 3/15, None |
| 9331 | Nopco-Pak Super Premix FGY | Norwich, 5/8, None |
| | CHAS. PFIZER & CO., INC.,
New York 17, N. Y. | |
| 0051 | Pfizer R-4 Riboflavin Supplement | Norwich, 8/29, None |
| 0831 | Yantic High Lay Premix | Norwich, 11/6, None |
| 8560 | Yantic High Lay Premix | Norwich, 1/9, 346X2133 |
| 9330 | Yantic High Lay Premix | Norwich, 5/8, A0953X
2133 |

<sup>3</sup> Amprolium: Guaranteed, 3.125%; not determined.

TABLE 2. VITAMIN CARRIERS

| Vitamin D
chick units/lb. | | Calcium
pantothenate
mg/lb. | | Niacin
mg/lb. | | Riboflavin
mg/lb. | |
|------------------------------|-------|-----------------------------------|--------------|------------------|-------|----------------------|-------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 136,400 | OK | | | | | | |
| 136,400 | OK | | | | | | |
| 136,400 | OK | | | | | | |
| 85,125 | OK | 500 | <u>602</u> | 3,750 | 3,424 | 500 | 464 |
| 164,000 | OK | 174 | <u>71</u> | 640 | 657 | 160 | 167 |
| 164,000 | OK | 174 | <u>90</u> | 640 | 524 | 160 | 162 |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 544,800 | OK | 1,600 | 1,490 | 8,000 | 8,904 | 800 | 837 |
| 544,800 | OK | 1,600 | --* | 8,000 | --* | 800 | --* |
| 544,800 | OK | 1,600 | <u>2,087</u> | 8,000 | 9,492 | 800 | 833 |
| 170,250 | OK | 1,000 | <u>1,097</u> | 7,500 | 7,761 | 1,000 | 1,042 |
| 170,250 | OK | 1,000 | 1,135 | 7,500 | 7,425 | 1,000 | 994 |
| 170,250 | OK | 1,087 | 1,169 | 7,500 | 7,845 | 1,000 | 1,134 |
| 170,250 | OK | 1,000 | <u>1,349</u> | 7,500 | 8,437 | 1,000 | 996 |
| 170,250 | OK | 1,000 | 1,019 | 7,500 | 7,238 | 1,000 | 1,027 |
| 1,362,000 | OK | 1,600 | 1,817 | 8,000 | 9,308 | 800 | 4,000 |
| 1,362,000 | OK | 1,600 | 1,624 | 8,000 | 9,183 | 800 | 775 |
| 1,362,000 | OK | 1,603 | 1,722 | 8,000 | 7,009 | 800 | 845 |
| 1,362,000 | OK | 1,603 | 1,722 | 8,000 | 7,009 | 800 | 806 |

~~~ Indicates deficiencies.

--* Not determined.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|------------------------|--------------------------------------------|
|-------------|------------------------|--------------------------------------------|

STABILIZED VITAMINS DIV.,  
 Commercial Solvents Corp.,  
 Garfield, N. J.

|      |                                          |                            |
|------|------------------------------------------|----------------------------|
| 0061 | Perma-D 3 D3                             | Manchester, 9/11, 16685    |
| 0057 | Perma-Mix CCC No. 1                      | Manchester, 9/11, 4904-1   |
| 8555 | Perma-Mix CCC No. 1                      | Manchester, 1/8, 4535-3    |
| 8811 | Perma-Mix CCC No. 1                      | Manchester, 3/13, 4674-1   |
| 9317 | Perma-Mix CCC No. 1                      | Manchester, 5/7, 4764-1    |
| 0825 | Perma-Mix CCC No. 1<br>(Revised Formula) | Manchester, 11/5, 4979-1   |
| 0058 | Perma-Mix CCC No. 2                      | Manchester, 9/11, 4881     |
| 0062 | Perma-Mix CCC No. 2                      | Manchester, 9/11, 4906     |
| 8556 | Perma-Mix CCC No. 2                      | Manchester, 1/8, 4536      |
| 8812 | Perma-Mix CCC No. 2                      | Manchester, 3/13, 4662     |
| 9318 | Perma-Mix CCC No. 2                      | Manchester, 5/7, 4762      |
| 0826 | Perma-Mix CCC No. 2<br>(Revised Formula) | Manchester, 11/5, 4961     |
| 0059 | Perma-Mix CCC No. 3                      | Manchester, 9/11, 4864     |
| 8557 | Perma-Mix CCC No. 3                      | Manchester, 1/8, 4476      |
| 8813 | Perma-Mix CCC No. 3                      | Manchester, 3/13, 4625     |
| 9319 | Perma-Mix CCC No. 3                      | Manchester, 5/7, 4763      |
| 0060 | Perma-Mix CCC No. 4 Broilers             | Manchester, 9/11, 4907     |
| 8814 | Perma-Mix CCC No. 4 Broilers             | Manchester, 3/13, 4594     |
| 9320 | Perma-Mix CCC No. 4 Broilers             | Manchester, 5/7, 4594      |
| 8564 | Vitamin A & D Feeding Oil                | Shelton, 1/10, (Illegible) |
| 8820 | Vitamin A & D Feeding Oil                | Shelton, 3/18, 15655       |

SYNTHA LABORATORIES,  
 West Alexandria, Ohio

|      |                         |                          |
|------|-------------------------|--------------------------|
| 0056 | Special All Mash Premix | Jewett City, 9/11, None  |
| 0857 | Special All Mash Premix | Jewett City, 11/12, None |
| 8562 | Special All Mash Premix | Jewett City, 1/9, None   |
| 9332 | Special All Mash Premix | Jewett City, 5/8, None   |

WARNER DOG FOOD CO.,  
 Brooklyn 22, N. Y.

|                   |                            |                     |
|-------------------|----------------------------|---------------------|
| 0054 ⁴ | Gold-N-Bone Shaped Biscuit | Norwich, 8/29, None |
|-------------------|----------------------------|---------------------|

WHITMOYER LABORATORIES,  
 INC., Myerstown, Pa.

|      |                          |                    |
|------|--------------------------|--------------------|
| 0055 | Derby All-Purpose Premix | Derby, 9/10, 81963 |
|------|--------------------------|--------------------|

⁴ Thiamine, mg/lb.: Guaranteed, 0.5; found, 3.70.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |       | Riboflavin<br>mg/lb. |       |
|------------------------------|-------|-----------------------------------|-------|------------------|-------|----------------------|-------|
| Guar.                        | Found | Guar.                             | Found | Guar.            | Found | Guar.                | Found |
| 1,362,000                    | OK    |                                   |       |                  |       |                      |       |
| 297,500                      | OK    | 978                               | 1,166 | 7,950            | 9,812 | 600                  | 635   |
| 297,500                      | OK    | 978                               | 819   | 7,950            | 7,866 | 600                  | 543   |
| 297,500                      | OK    | 978                               | 1,003 | 7,950            | 9,054 | 600                  | 635   |
| 297,500                      | OK    | 978                               | 1,004 | 7,950            | 6,848 | 600                  | 599   |
| 297,500                      | OK    | 978                               | 1,421 | 7,950            | 8,280 | 600                  | 662   |
| 153,150                      | OK    | 1,500                             | 2,164 | 7,500            | 7,712 | 375                  | 514   |
| 153,150                      | OK    | 1,500                             | 1,736 | 7,500            | 7,595 | 375                  | 469   |
| 153,150                      | OK    | 1,500                             | 1,674 | 7,500            | 8,003 | 375                  | 589   |
| 153,150                      | OK    | 1,500                             | 1,488 | 7,500            | 6,274 | 375                  | 442   |
| 153,150                      | OK    | 1,500                             | 1,515 | 7,500            | 6,055 | 375                  | 413   |
| 153,150                      | OK    | 1,500                             | 1,503 | 7,500            | 7,035 | 375                  | 473   |
| 214,650                      | OK    | 1,200                             | 1,158 | 6,750            | 7,147 | 975                  | 953   |
| 214,650                      | OK    | 1,200                             | 1,072 | 6,750            | 5,760 | 975                  | 927   |
| 214,650                      | OK    | 1,200                             | 1,296 | 6,750            | 7,102 | 975                  | 1,131 |
| 214,650                      | OK    | 1,200                             | 1,359 | 6,750            | 5,251 | 975                  | 1,082 |
| 216,000                      | OK    | 1,200                             | 1,416 | 5,400            | 5,836 | 900                  | 836   |
| 216,000                      | OK    | 1,200                             | 1,363 | 5,400            | 6,926 | 900                  | 962   |
| 216,000                      | --*   | 1,200                             | --*   | 5,400            | 5,297 | 900                  | 747   |
| 136,200                      | OK    |                                   |       |                  |       |                      |       |
| 136,200                      | OK    |                                   |       |                  |       |                      |       |
| 544,800                      | OK    | 2,174                             | 1,871 | 8,000            | 7,256 | 800                  | 780   |
| 544,800                      | OK    | 2,174                             | 1,718 | 8,000            | 6,862 | 800                  | 935   |
| 544,800                      | OK    | 2,174                             | 2,111 | 8,000            | 8,879 | 800                  | 789   |
| 544,800                      | OK    | 2,174                             | 2,165 | 8,000            | 8,029 |                      |       |
| 22,000                       | --*   | 2.0                               | 5.11  | 14.              | 28.6  | 1.5                  | 2.88  |
| 136,200                      | OK    | 1,000                             | 900   | 4,000            | 4,335 | 400                  | 397   |

~~~ Indicates deficiencies.

--\* Not determined.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|---------------------|--|---|
| | WHITMOYER LABORATORIES,
INC., Myerstown, Pa. -Cont. | |
| 8563 | Derby All-Purpose Premix | Derby, 1/10, 120662 |
| 8822 | Derby All-Purpose Premix | Derby, 3/18, 120662 |
| 0827 | Whitmoyer 150D-1500A Pure
Cod Liver Oil | Baltic, 11/6, 22663 |
| 9333 | Whitmoyer 150D-1500A Pure
Cod Liver Oil | Baltic, 5/8, 6702, GKS |
| 0822 | Whitmoyer 300-D-2250-A
Quality Vitamin A & D
Feeding Oil | Derby, 10/29, 9663 |
| | WIRTHMORE FEEDS, INC.,
Waltham, Mass. | |
| 0821 <sup>5,6</sup> | Wirthmore Meatless Mink Food
842A | Danbury, 10/16, N491080,
82, 84, 86 & 97 |
| 0950 <sup>7,8</sup> | Wirthmore Mink Food | Torrington, 11/19,
B570784, 86, 87, & 91 |

~~~~ Indicates deficiencies.

--* Not determined

⁵ Thiamine, mg/lb.: Guaranteed, 8; found, 6.4.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |       | Riboflavin<br>mg/lb. |       |
|------------------------------|-------|-----------------------------------|-------|------------------|-------|----------------------|-------|
| Guar.                        | Found | Guar.                             | Found | Guar.            | Found | Guar.                | Found |
| 136,200                      | OK    | 1,000                             | 768   | 4,000            | 3,638 | 400                  | 385   |
| 136,200                      | OK    | 1,000                             | 792   | 4,000            | 3,364 | 400                  | 351   |
| 68,000                       | OK    |                                   |       |                  |       |                      |       |
| 68,000                       | OK    |                                   |       |                  |       |                      |       |
| 136,000                      | OK    |                                   |       |                  |       |                      |       |
| 4,000                        | --*   | 7.6                               | 11.3  | 40.              | 42.7  | 5                    | 5.6   |
| 4,000                        | --*   | 7.6                               | 12.9  | 40.              | 92.8  | 5                    | 6.7   |

⁶ Folic acid, mg/lb.: Guaranteed, 5; found, 0.62.

⁷ Thiamine, mg/lb.: Guaranteed, 8; found, 11.0.

⁸ Folic acid, mg/lb.: Guaranteed, 5; found, 0.8.





